

Р†РќРЎРЎР РЈРЉРІР†РЇ

$$\begin{array}{c} \text{PrP} \gg \text{CII} \text{ PjP}_{\mu} \text{PrP}^{\text{C}} \pm \text{PSPsPiPs} \text{ P} \cdot \text{P}^{\circ} \text{Cf}^{\circ} \text{C}, \text{PsCf}^{\circ} \text{Cf}^{\circ} \text{PIP}^{\circ} \text{PSPSCII} \text{ P} \gg \text{C} - \text{PeP}^{\circ} \text{Cf}^{\circ} \text{Cf}^{\circ} \text{CHPePsPiPs} \\ \text{P} \cdot \text{P}^{\circ} \text{Cf}^{\circ} \text{PsP} \pm \text{Cf}^{\circ} \end{array}$$

РнР†РѡР•РќРћРльРѸ^{В®}

(P_HYFENAX^{B®})

$$P\check{Y}P\in P\gg P^{\circ}P\Gamma:$$
$$PrC-C\bar{H}C\neq P^{\circ} C\bar{H}P_{\mu}C\neq PsPIP\ddot{e}PSP^{\circ}: PjC-PePsC,,P_{\mu}PSPsP\gg P^{\circ}C,Cr' PjPsC,,P_{\mu}C,P\ddot{e}P\gg;$$
$$1 \text{ P}eP^{\circ}P\ddot{i}C\acute{I}C\acute{r}P \gg P^{\circ} PjC-C\acute{I}C, P\ddot{e}C, CH \text{ PjC-P}ePsC, \text{PuPSPsP} \gg P^{\circ}C, C\acute{r} PjPsC, \text{PuC}, P\ddot{e}P \gg C\acute{r} \text{ 250 PjPi};$$

PrPsPiPsPjC-P¶PSC- C¶PµC¶PsPIPëPSPë: PeC¶PsC...PjP°P»CH
PiC¶PµP¶PµP»P°C,PëPSC-P·PsPIP°PSPëP№, PiPsPIC-PrPsPS, PSP°C,C¶C-C¶
PeC¶PsC¶PeP°C¶PiPuP»PsP·P°, PjP°PiPSC-C¶ C¶C,PµP°C¶P°C,;

$PsP \pm PsP \gg PsPSPeP^\circ$: $P \uparrow P \downarrow P \gg P^\circ C, P \ddot{e} PS$, $C-PSPrP \ddot{e} PiPsPeP^\circ C \uparrow PjC-PS$ ($P^\bullet$ 132), $C, P \ddot{e} C, P^\circ PSCr$, $PrC-PsPeC \uparrow P \ddot{e} Pr$ ($P^\bullet$ 171), $P \cdot P^\circ P \gg C-P \cdot P^\circ$ $PsPeC \uparrow P \ddot{e} Pr$ $C \uparrow P \uparrow C \uparrow PIPsPSP \ddot{e} P N_e$ ($P^\bullet$ 172), $P \cdot P^\circ P \gg C-P \cdot P^\circ$ $PsPeC \uparrow P \ddot{e} Pr$ $P \uparrow PsPIC, P \ddot{e} P N_e$ ($P^\bullet$ 172).

Р>С-РєР°СЃСЃСЃРєР°СЃ С„РѕСЃРїРїР°. РљР°РїСЃСЃСЃР»Рє С,РїРїСЃРїРїС-

*PhCl'PSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C#PSC- PIP»P°C'fC,PëPIPsC'fC,C-: C,PIPµCfjPrC-
P¶PuP»P°C,PëPSPsPIC- PeP°PiC'fC'CrP»Pë B,, - 1, PSP°PiPsPIPSPµPSC- PiPsCfjPsC€PePsPj
P±C-P»PsPiPs P°P±Ps PjP°PNëP¶Pu P±C-P»PsPiPs PePsP»CHbPsCfjCr;*

PeCḥPëC€PµC‡PeP°: PSPµPĩCḥPsP·PsCḥP°, P±P»P°PePëC,PSPsPiPs PePsP»ChPsCḥCr, P·PiPsP·PrPsPIP¶PSC-Pj PSP°PĩPëCĩPsPj B«PḥB», PSP°PSPµCĩPµPSPëPj C‡PsCḥPSPëPj C‡PsCḥPSPëP»PsPj;

PePsC $\overline{\text{H}}$ PiCrC $\overline{\text{I}}$: PSp μ PiC $\overline{\text{H}}$ PsP·PsC $\overline{\text{H}}$ P $\overline{\text{E}}$ P $\overline{\text{N}}$, PePsC $\overline{\text{H}}$ P $\overline{\text{E}}$ C $\overline{\text{H}}$ PSp μ PIPsPiPs PePsP»CHbPsC $\overline{\text{H}}$ Cr, P·PiPsP·PrPsPIP¶PSC-Pj PSp°PiP $\overline{\text{E}}$ C $\overline{\text{I}}$ PsPj B<250B», PSp°PSp μ C $\overline{\text{I}}$ P μ PSp $\overline{\text{P}}$ Pj C $\overline{\text{H}}$ PsC $\overline{\text{H}}$ PSp $\overline{\text{P}}$ Pj C $\overline{\text{H}}$ PsC $\overline{\text{H}}$ PSp $\overline{\text{P}}$ P»PsPj.

$$\text{P}\alpha\text{P}^{\circ}\text{C}\tilde{\text{H}}\text{P}\text{jP}^{\circ}\text{P}\epsilon\text{P}\text{sC}, \text{P}\mu\text{C}\tilde{\text{H}}\text{P}^{\circ}\text{P}\ddot{\text{i}}\text{P}\mu\text{P}\text{IC}, \text{P}\ddot{\text{e}}\text{C}\ddagger\text{P}\text{SP}^{\circ} \text{P}\text{iC}\tilde{\text{H}}\text{C}\acute{\text{r}}\text{P}\ddot{\text{i}}\text{P}^{\circ}.$$

PŸPµP»PµPeC,PëPIpsc- C-PjCíPSPsCÍCíPíCĤPµCÍPëPIpsc- PíCĤPµPíP°CĤP°C,Pë.
PљPëCÍP»PsC,P° PjC-PePsC,,PµPSPsP»PsPIP°. PљPsPr PhPŸX L04A A06.

$$P \propto P^{\circ} C \bar{H} P_j P^{\circ} P_e P_s P \gg P_s P_i C - C \nabla P S C - P I P \gg P^{\circ} C \bar{I} C, P \ddot{e} P I P_s C \bar{I} C, C - .$$

PJ C₇P_μP·C_rP»CH₃C,P°C,C- P_μPSC,P_μC₇PsPiP_μPiP°C,PëC±PSPsC—
C₇P_μC†PëC₇PëC_rP»C₁C†C-C— PIC,PsC₇PëPSPSP_μ PiC-PrPIPëC%₀₀P_μPSPSC₁
PePsPSC†P_μPSC,C₇P°C†C-C— P_{HB}P_αP₇ C_r PiP»P°P·PjC- PëC₇PsPIC-, C₁Pe PiC₇P°PIPëP»Ps,
C₁PiPsC₁C,P_μC₇C-PiP°C''C,CH₃C₁C₁ C†P_μC₇P_μP· 6-12 PiPsPrPëPS PiC-C₁P»C₁ PiC₇PëP_NPsPjC_r
PiC₇P_μPiP°C₇P°C,C_r. P_μC₇Pë PsPrPSPsC†P°C₁PSPsPjC_r P·P°C₁C,PsC₁C_rPIP°PSPSC- P·
C...PsP»P_μC₁C,PëC₇P°PjC-PSPsPj (4 Pi 3 C₇P°P·Pë PSP° PrPsP±C_r) AUC_{P_{HB}P_αP₇}

Р·PSPëP¶CрC”C,CHбCГCЦ PиCГPëP±P»PëP·PSPs PSP° 40%, C%Ps CГPIC-PrC±PëC,CH PиCГPs P·PSP°C±PSPëPNë CГC,CрPиC-PSCH PµPSC,PµCГPsPiPµPiP°C,PëC±PSPsC— CГPµC±PëCГPëCрP»CЦC†C-C—.

РһPαPљ CГ PëP»C-PSC-C±PSPs P·PSP°C±CрC%PëC... PëPsPSC†PµPSC,CГP°C†C-CЦC... PSP° 97% P·Pi'CЦP·CрC”C,CHбCГCЦ P· P°P»CHP±CрPjC-PSP°PjPë PiP»P°P·PjPë PëCГPsPIC-.

РһPµC,P°P±PsP»C-P·Pj

РһPαPљ PjPµC,P°P±PsP»C-P·CрC”C,CHбCГCЦ Pи PsCГPSPsPiPSPsPjCр PиC-Pr PrC-C”CГ PиP»CГPëCрCГPsPSC-P»C,CГP°PSCГC„PµCГP°P·Pë (C-P·PsC„PsCГPjP° UGT1A9) P· CрC,PiPsCГPµPSPSCЦPj PSPµP°PëC,PëPiPSPsPiPs C„PµPSPsP»CHPSPsPiPs PiP»CГPëCрCГPsPSC-PrCр PһPαPљ (PһPαPљP”). *In vivo* PһPαPљP” PиPµCГPµC,PiPsCГCГC”C,CHбCГCЦ PSP°P·P°Pr Cр PIC-P»CHPSCр PһPαPљ PиC-Pr C±P°CГ PµPSC,PµCГPsPiPµPiP°C,PëC±PSPsC— CГPµC±PëCГPëCрP»CЦC†C-C—. PÿP°PëPsP¶ CрC,PiPsCГCГC”C,CHбCГCЦ P±C-P»CHбC€ PSPëP·CHPëPëPNë P°C†PëP»PiP»CГPëCрCГPsPSC-Pr (AC†PһPαPљP”), CЦPëPëPNë C” C„P°CГPjP°PëPsP»PsPiC-C±PSPs P°PëC,PëPiPSPëPj C-, PjPsP¶P»PëPiPs, C” PиCГPëC±PëPSPsCГ PiPëPSPëPëPSPµPSPSCЦ PrPµCЦPëPëC... PiPsP±C-C±PSPëC... PµC„PµPëC,C-Pi PjC-PëPsC„PµPSPsP»P°C,Cр PjPsC„PµC,PëP»Cр (PrC-P°CГPµCЦ, P»PµPNëPëPsPiPµPSC-CЦ).

P’PëPiPµPrPµPSPSCЦ

PкPµP·PSP°C±PSC- PëC-P»CHPëPsCГC,C- PиCГPµPiP°CГP°C,Cр (<1% PrPsP·Pë) PiPëPiPsPrCЦC,CHбCГCЦ C-P· CГPµC±PµCГ Cр PiPëPiP»CЦPrC- PһPαPљ. PµC-CГP»CЦ PиPµCГPsCГP°P»CHPSPsPiPs PиCГPëPNëPsPjCр CГP°PrC-PsP°PëC,PëPiPSPs PjC-C±PµPSPsPiPs PjC-PëPsC„PµPSPsP»P°C,Cр PjPsC„PµC,PëP»Cр PiPiPµPrPµPSP° PrPsP·P° PiPëPrC-P»CЦC”C,CHбCГCЦ PиPsPiPSC-CГC,CГ; 93% PiPiPµPrPµPSPsC— PrPsP·Pë PiPëPrC-P»CЦC”C,CHбCГCЦ C-P· CГPµC±PµCГ, P° 6% вГ” C-P· PëP°P»PsPj. P’PµP»PëPëP° C±P°CГC,PëPSP° (PiCГPëP±P»PëP·PSPs 87%) PiPiPµPrPµPSPsC— PrPsP·Pë PiPëPiPsPrPëC,CHбCГCЦ C-P· CГPµC±PµCГ Cр PiPëPiP»CЦPrC- PһPαPљP”.

Pj PëPsPSC†PµPSC,CГP°C†C-CЦC..., CЦPëC- P·CрCГC,CГC-C±P°CГC,CHбCГCЦ Cр PëP»C-PSC-C±PSC-PNë PиCГP°PëC,PëC†C-, PһPαPљ C,P° PһPαPљP” PSPµ PiPëPiPsPrCЦC,CHбCГCЦ P·P° PrPsPiPsPjPsPiPsCГ PiPµPjPsPrC-P°P»C-P·Cр. PµCГPsC,Pµ PиCГPë PiPëC%PëC... PëPsPSC†PµPSC,CГP°C†C-CЦC... PһPαPљP” (>100 PjPëPi/PjP») PSPµPiPµP»PëPëP° PNëPsPiPs PëC-P»CHPëC-CГC,CH PjPsP¶Pµ P±CрC,Pë PiPëPrP°P»PµPSP°. PµPsCГCрC€CрCГC±Pë PµPSC,PµCГPsPiPµPiP°C,PëC±PSCр CГPµC±PëCГPëCрP»CЦC†C-CГ PиCГPµPiP°CГP°C,Cр PһC-C„PµPSP°PëCГ^{B°}, CГPµPëPiPµCГC,CГP°PSC,Pë P¶PsPIC±PSPëC... PëPëCГP»PsC, C,PëPiCр C...PsP»PµCГC,PëCГP°PjC-PSCр P·PSPëP¶CрCГC,CH PђUC_{PһPαPљ} (PrPëPi. CГPsP·PrC-P» B«PµPµCГPµPrPsP·CрPiP°PSPSCЦB»).

PαP°CГPjP°PëPsPëC-PSPµC,PëPëP° (CрCГC- PµC,P°PiPë PëCГC-Pj PICГPjPsPëC,CрPiP°PSPSCЦ) PjC-PëPsC„PµPSPsP»PsPiPsC— PëPëCГP»PsC,Pë P·P°P»PµP¶PëC,CH PIC-Pr PëC-P»CHPëPsC... PiPµCГPµPSPsCГPSPëPëC-Pi. PÿCГP°PSCГPиPsCГC,PSPëPNë PiPsP»C-PiPµPiC,PëPr PsCГPiP°PSC-C±PSPëC... P°PSC-PsPSC-Pi C- P±C-P»PsPë 2, P°CГPsC†C-PNëPsPiP°PSPëPNë C-P· PjPSPsP¶PëPSPSPsCГ CГC,C-PNëPëC-CГC,CГ PrPs P»C-PëP°CГCГCHPëPëC... P·P°CГPsP±C-Pi, P±PµCГCрC,CH CрC±P°CГC,CH Cр C„P°CГPjP°PëPsPëC-PSPµC,PëC†C- (CрCГC- PµC,P°PiPë PëCГC-Pj PICГPjPsPëC,CрPiP°PSPSCЦ) PjC-PëPsC„PµPSPsP»PsPiPsC— PëPëCГP»PsC,Pë; C-P·PsC„PsCГPjPë C,CГP°PSCГPиPsCГC,PSPsPiPs PiPsP»C-PiPµPiC,PëPrCр PsCГPiP°PSC-C±PSPëC... P°PSC-PsPSC-Pi, P±C-P»PsPë 2, P°CГPsC†C-PNëPsPiP°PSPëPNë C-P· PjPSPsP¶PëPSPSPsCГ CГC,C-PNëPëC-CГC,CГ PrPs P»C-PëP°CГCГCHPëPëC... P·P°CГPsP±C-Pi,

C- P±C-P»PsPe C₇H₄PμP·PëC₇F₃C, PμPSC, PSPSc₇F₃C, C- C₇H₄P°PeC₇ PjPsP»PsC±PSPsC— P·P°P»PsP·Pë C” PīPμC₇H₄PSPsC₇F₃PSPëPeP°PjPë, C₄IPeC- PīPsP₁C₄IP·P°PSC- P· P±C-P»C-P°C₇H₄PSPsC₇ PμPeC₇F₃C₇H₄PμC₇C-C”C₇ PīP»C₇H₄PeC₇F₃PsPSC-PrC-PI. P’C-P»PsPe 1 PjPSPsP₁PëPSPSPsC— C₇F₃C, C-PN₂PePsC₇F₃C, C- PrPs P»C-PeP°C₇F₃C₇H₄PePëC... P·P°C₇F₃Ps±C-PI C, P°PePsP₁ PjPsP₁ Pμ C, C₇H₄P°PSC₇F₃PīPsC₇H₄C, C₇F₃PIP°C, Pë PjC-PePsC,, PμPSPsP»PsPIC₇ PePëC₇F₃P»PsC, C₇, PsPrPSP°Pe PN₂PsPīPs PIPSPμC₇F₃PsPe, C₇F₃C...PsP₁Pμ, P·PIPsPrPëC, C₇H₄C₇F₃C₄ PrPs PīC₇H₄PsC₇F₃PμC₇C₇ PIC₇F₃PjPsPeC, C₇F₃PIP°PSPSC₄. Pj PSPëC₇H₄PeP°C... PjC-PePsC,, PμPSPsP»PsPIP° PePëC₇F₃P»PsC, P° C- C—C— PjPμC, P°P±PsP»C-C, Pë PīPsC, C₇F₃PIPSPs PIP·P°C”PjPsPrC-C₇H₄C, C₇H₄ C-P· PSPëC₇H₄PePsPIPëPjPë PīPμC₇H₄PSPsC₇F₃PSPëPeP°PjPë PsC₇H₄PIP°PSC-C±PSPëC... P°PSC-PsPSC-PI.

Pj C₇H₄P°PSPSCH₄PsPjC₇ PīPμC₇H₄C-PsPrC- PīC-C₇F₃P»C₄ C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C₇C-C— (<40 PrPSC-PI PīC-C₇F₃P»C₄ C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C₇C-C—) PīP°C₇C-C”PSC, Pë P· C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C, PsPj PSPëC₇H₄PePë, C₇F₃PμC₇C₇C₄ C, P° PīPμC₇C-CSPePë PjP°C₇H₄C, C₇H₄ C₇F₃PμC₇H₄PrPSC- AUC_{P₇H₄P₇F₃} PīC₇H₄PeP±P»PëP·PSPs PSP° 30% PSPëP₁C±Pμ C- C_{max} PīC₇H₄PeP±P»PëP·PSPs PSP° 40% PSPëP₁C±Pμ PīPsC₇H₄C-PIPSC₄IPSPs P· PīC-P·PSC-Pj PīPμC₇H₄C-PsPrPsPj PīC-C₇F₃P»C₄ C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C₇C-C— (3-6 PjC-C₇F₃C₄C₇C-PI PīC-C₇F₃P»C₄ C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C₇C-C—).

P₇H₄C₇F₃PsP±P»PëPIC- PīC₇H₄C₇F₃PīPë PīP°C₇C-C”PSC, C-PI

PμP°C₇C-C”PSC, Pë P· PSPëC₇H₄PePsPIPsC₇ PSPμPrPsC₇F₃C, P°C, PSC-C₇F₃C, C₇H₄

Pj PrPsC₇F₃P»C-PrP₁PμPSPSC- P· PsPrPSPsPeC₇H₄P°C, PSPëPj PīC₇H₄PePN₂PsPjPsPj PīC₇H₄PμPīP°C₇H₄P°C, C₇ C₇F₃PμC₇H₄PrPSC₄ AUC_{P₇H₄P₇F₃} C₇ PīP»P°P·PjC- PeC₇H₄PsPIC- P±C₇P»P° PSP° 28-75% P±C-P»C₇H₄C₇PeP° C₇ PīP°C₇C-C”PSC, C-PI C-P· C, C₄IP₁PePsC₇ C...C₇H₄PsPSC-C±PSPsC₇ PSPëC₇H₄PePsPIPsC₇ PSPμPrPsC₇F₃C, P°C, PSC-C₇F₃C, C₇ (C₇F₃PIPëPrPeC-C₇F₃C, C₇H₄ PeP»C₇F₃P±PsC±PePsPIPsC— C,, C-P»C₇H₄C, C₇H₄P°C₇C-C— <25 PjP»/C...PI/1,73 Pj²), PSC-P₁ C₇ P·PrPsC₇H₄PsPIPëC... PrPsP±C₇H₄PsPIPsP»C₇H₄C₇C-PI C, P° C...PIPsC₇H₄PeC... C-P· PjPμPSC₇ PIPëC₇H₄P°P₁PμPSPëPjPë C₇C₇H₄P°P₁PμPSPSC₄PjPë PSPëC₇H₄PsPe. P₇PrPSP°Pe PīC-C₇F₃P»C₄ PīC₇H₄PePN₂PsPjC₇ PsPrPSPsPeC₇H₄P°C, PSPsC— PrPsP·Pë C₇F₃PμC₇H₄PrPSC₄ AUC C,, PμPSPsP»C₇H₄PSPsPīPs PīP»C₇H₄PeC₇F₃PsPSC-PrC₇ PjC-PePsC,, PμPSPsP»PsPIPsC— PePëC₇F₃P»PsC, Pë P±C₇P»P° C₇ 3-6 C₇H₄P°C-PI P±C-P»C₇H₄C₇PeP° C₇ PīP°C₇C-C”PSC, C-PI C-P· C, C₄IP₁PePsC₇ PSPëC₇H₄PePsPIPsC₇ PSPμPrPsC₇F₃C, P°C, PSC-C₇F₃C, C₇, PSC-P₁ C₇ PīP°C₇C-C”PSC, C-PI P· P»PμPīPePsC₇ PSPëC₇H₄PePsPIPsC₇ PSPμPrPsC₇F₃C, P°C, PSC-C₇F₃C, C₇ C, P° C₇ P·PrPsC₇H₄PsPIPëC... PrPsP±C₇H₄PsPIPsP»C₇H₄C₇C-PI, C%₀Ps C₇P·PīPsPrP₁C₇C”C, C₇H₄C₇F₃C₄ P· PIC-PrPsPjPëPjPë PrP°PSPëPjPë PīC₇H₄Ps PIPëPīPμPrPμPSPSC₄ C,, PμPSPsP»C₇H₄PSPsPīPs PīP»C₇H₄PeC₇F₃PsPSC-PrC₇ PjC-PePsC,, PμPSPsP»PsPIPsC— PePëC₇F₃P»PsC, Pë PSPëC₇H₄PeP°PjPë. P”PsC₇F₃P»C-PrP₁PμPSPSC₄ P±P°PīP°C, PsC₇H₄P°P·PsPIPsPīPs P·P°C₇F₃C, PsC₇C₇F₃PIP°PSPSC₄ PjC-PePsC,, PμPSPsP»P°C, C₇ PjPsC,, PμC, PëP»C₇ PīC₇H₄Pe C, C₄IP₁PeC-PN₂ PSPëC₇H₄PePsPIC-PN₂ PSPμPrPsC₇F₃C, P°C, PSPsC₇F₃C, C- PSPμ PīC₇H₄PsPIPsPrPëP»Pë. P₇PrPjP°C” PrP°PSPëC... C%₀PsPrPs PīP°C₇C-C”PSC, C-PI C-P· C, C₄IP₁PePsC₇ C...C₇H₄PsPSC-C±PSPsC₇ PSPëC₇H₄PePsPIPsC₇ PSPμPrPsC₇F₃C, P°C, PSC-C₇F₃C, C₇ PīC-C₇F₃P»C₄ C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C₇C-C— C₇F₃PμC₇C₇C₄ C- PīPμC₇C-CSPePë.

P—P°C, C₇H₄PePjPeP° C,, C₂PSPeC₇C-C— PSPëC₇H₄PePsPIPsPīPs C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C, P°

Pj PīP°C₇C-C”PSC, C-PI C-P· P·P°C, C₇H₄PePjPePsC₇ C,, C₇PSPeC₇C-C— PSPëC₇H₄PePsPIPsPīPs C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C, P° PīC-C₇F₃P»C₄ PīPμC₇H₄PμC₇P°PrPePë C₇F₃PμC₇H₄PrPSC” P·PSP°C±PμPSPSC₄ AUC₀₋₁₂ PrP»C₄ PjC-PePsC,, PμPSPsP»PsPIPsC— PePëC₇F₃P»PsC, Pë P±C₇P»Ps PīPsC₇H₄C-PIPSC₄IPSPμ P· C, P°PePëPj C₇ C...PIPsC₇H₄PeC..., C₇ C₄IPePëC... C, C₇H₄P°PSC₇F₃PīP»P°PSC, P°C, PīPsC±PëPSP°PI C,, C₇PSPeC₇C-PsPSC₇PIP°C, Pë PīC-C₇F₃P»C₄ PīPμC₇H₄PμC₇P°PrPePë P±PμP· P·P°C, C₇H₄PePjPePë. P₇PrPμC₇H₄PrPSC” P·PSP°C±PμPSPSC₄ AUC₀₋₁₂

PrP»CЦ C,,PμPSPsP»CHPSPsPiPs PiP»CḤPeCṛCḤPsPSC-PrCṛ PjC-PePsC,,PμPSPsP»PsPIPsC—
 PePëCṛP»PsC,Pë Cṛ PiP»P°P·PjC- PeCḤPsPIC- P±CṛP»Ps PI 2-3 CḤP°P·Pë P±C-P»CHC€PëPj,
 PSC-P¶ Cṛ C...PIPsCḤPëC..., Cṛ CЦPePëC... C,CḤP°PSCṛPiP»P°PSC,P°C, PiPsC±PëPSP°PI
 C,,CṛPSPeC†C-PsPSCṛPiP°C,Pë PiC-CṛP»CЦ PiPμCḤPμCṛP°PrPePë P±PμP· P·P°C,CḤPëPjPePë.
 PḤPsP¶P»PëPIPμ C,CḤP°PSP·PëC,PSCḤPSPμ PiC-PrPIPëC%PμPSPSCЦ PIC-P»CHPSPsC—
 C,,CḤP°PeC†C-C— C- PePsPSC†PμPSC,CḤP°C†C-C— PjC-PePsC,,PμPSPsP»PsPIPsC—
 PePëCṛP»PsC,Pë Cṛ PiP»P°P·PjC- PeCḤPsPIC- Cṛ PiP°C†C-C"°PSC,C-PI C-P· P·P°C,CḤPëPjPePsCḤ
 C,,CṛPSPeC†C-C— PSPëCḤPePsPIPsPiPs C,CḤP°PSCṛPiP»P°PSC,P°C,P°. PḤPsCḤPμPeC†C-CЦ
 PrPsP·Pë PiCḤPμPiP°CḤP°C,Cṛ PḤC-C,,PμPSP°PeCṛ^{B®} Cṛ C,P°PePëC... PiPëPiP°PrPeP°C... PSPμ
 PiPsC,CḤC-P±PSP°.

PμP°C†C-C"°PSC,Pë P· PiPμC±C-PSPePsPIPsCḤ PSPμPrPsCṛC,P°C,PSC-CṛC,CḤ

PJ PrPsP±CḤPsPIPsP»CHC†C-PI P· P°P»PePsPiPsP»CHPSPëPj C†PëCḤPsP·PsPj PiPμC±C-PSPePë
 P±CṛP»Ps PiPëCЦPiP»PμPSPs, C%Ps CṛCḤP°P¶PμPSPSCЦ PiP°CḤPμPSC...C-PjPë
 PiPμC±C-PSPePë PIC-PrPSPsCṛPSPs PSPμ PiPïP»PëPIP°C"°PSP° PiCḤPsC†PμCṛ
 PiP»CḤPeCṛCḤPsPSC-PrP°C†C-C— PjC-PePsC,,PμPSPsP»PsPIPsC— PePëCṛP»PsC,Pë. P'PiP»PëPI
 PiPμC±C-PSPePsPIPsC— PiP°C,PsP»PsPiC-C— PSP° C†PμPNë PiCḤPsC†PμCṛ P·P°P»PμP¶PëC,CH
 PIC-Pr PePsPSPeCḤPμC,PSPsPiPs P·P°C...PIPsCḤCḤPiP°PSPSCЦ. PhPrPSP°Pe Cṛ CḤP°P·C-
 P·P°C...PIPsCḤCḤPiP°PSPSCЦ PiPμC±C-PSPePë P· PiPμCḤPμPiP°P¶PSPëPj CṛCḤP°P¶PμPSPSCЦPj
 P¶PsPIC±PSPëC... C€P»CЦC...C-PI (PSP°PiCḤPëPeP»P°Pr, PiPμCḤPiPëPSPSPëPNë
 P±C-P»C-P°CḤPSPëPNë C†PëCḤPsP·) PμC,,PμPeC, PjPsP¶Pμ P±CṛC,Pë C-PSC€PëPj.

P"°C-C,Pë

PαP°CḤPjP°PePsPeC-PSPμC,PëC±PSC- PiP°CḤP°PjPμC,CḤPë PiPëPIC±P°P»Pë Cṛ PrC-C,PμPNë
 PiC-CṛP»CЦ C,CḤP°PSCṛPiP»P°PSC,P°C†C-C— PSPëCḤPePë (PIC-PePsPj PIC-Pr 2 PrPs
 18 CḤPsPeC-PI), CЦPeC- PsC,CḤPëPjCṛPiP°P»Pë PjC-PePsC,,PμPSPsP»P°C,Cṛ PjPsC,,PμC,PëP» Cṛ
 PrPsP·C- 600 PjPi/Pj² PiPμCḤPsCḤP°P»CHPSPs PrPIC-C±C- PSP° PrPsP±Cṛ. PμCḤPë
 P·P°CṛC,PSCṛCṛPiP°PSPSC- C†C-C"°C— PrPsP·Pë AUC_{PḤPαPḤ} P±CṛP»P° PiPsPrC-P±PSPsCḤ PrPs
 C,P°PePsC— Cṛ PrPsCḤPsCṛP»PëC... PiP°C†C-C"°PSC,C-PI PiC-CṛP»CЦ
 C,CḤP°PSCṛPiP»P°PSC,P°C†C-C— PSPëCḤPePë, CЦPeC- PsC,CḤPëPjCṛPiP°P»Pë
 PiCḤPμPiP°CḤP°C, PḤC-C,,PμPSP°PeCṛ^{B®} Cṛ PrPsP·C- 1 Pi 2 CḤP°P·Pë PSP° PrPsP±Cṛ PI
 CḤP°PSPSCHPsPjCṛ C- PiC-P·PSCḤPsPjCṛ PiPsCṛC,C,CḤP°PSCṛPiP»P°PSC,P°C†C-PNëPSPsPjCṛ
 PiPμCḤC-PsPrP°C.... P'PμP»PëC±PëPSP° AUC_{PḤPαPḤ} Cṛ CḤC-P·PSPëC... PIC-PePsPiPëC...
 PiCḤCṛPiP°C... P±CṛP»P° PiPsCḤC-PIPSЦPSPsCḤ PI CḤP°PSPSCHPsPjCṛ C- PiC-P·PSCḤPsPjCṛ
 PiPsCṛC,C,CḤP°PSCṛPiP»P°PSC,P°C†C-PNëPSPsPjCṛ PiPμCḤC-PsPrP°C....

PμP°C†C-C"°PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCṛ

PќPμ PiPëCЦPiP»PμPSPs, C%Ps C,,P°CḤPjP°PePsPeC-PSPμC,PëPeP° PjC-PePsC,,PμPSPsP»P°C,Cṛ
 PjPsC,,PμC,PëP»Cṛ C,P° PNëPsPiPs PjPμC,P°P±PsP»C-C,C-PI P·PjC-PSCHC"°C,CHCṛCЦ Cṛ
 PiP°C†C-C"°PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCṛ (≥65 CḤPsPeC-PI) PiPsCḤC-PIPSЦPSPs P·
 PjPsP»PsPrC€PëPjPë PiP°C†C-C"°PSC,P°PjPë PiC-CṛP»CЦ C,CḤP°PSCṛPiP»P°PSC,P°C†C-C—.

*PμP°C†C-C"°PSC,Pë, CЦPeC- PiCḤPëPNëPjP°CḤC,CH PiPμCḤPsCḤP°P»CHPSC-
 PePsPSC,CḤP°C†PμPiC,PëPIPë*

PḤC-PePsC,,PμPSPsP»P°C,Cṛ PjPsC,,PμC,PëP» PSPμ PiPïP»PëPIP°C"°PSP°
 C,,P°CḤPjP°PePsPeC-PSPμC,PëPeCṛ PiPμCḤPsCḤP°P»CHPSPëC... PePsPSC,CḤP°C†PμPiC,PëPIC-PI
 (PrPëPI. CḤPsP·PrC-P» B«P'P·P°C"°PjPsPrC-CЦ P· C-PSC€PëPjPë P»C-PeP°CḤCṛCHPePëPjPë
 P·P°CṛPsP±P°PjPë C,P° C-PSC€C- PiPëPrPë PiP·P°C"°PjPsPrC-PNëB»).

$P_{\mu}C_{\eta}P_{\epsilon} \text{ PsPrPSPsC}\ddagger P^{\circ}C\acute{I}PSPsPjC\acute{r} \text{ P}\acute{i}C_{\eta}P_{\epsilon}P_{\mathbb{N}}PsPjC- \text{ P} \cdot PePsPjP\pm C-PSPsPIP^{\circ}PSP_{\epsilon}PjP_{\epsilon}$
 $P\acute{i}P_{\mu}C_{\eta}PsC_{\eta}P^{\circ}P\gg CHBPSP_{\epsilon}PjP_{\epsilon} \text{ PePsPSC}, C_{\eta}P^{\circ}C\ddagger P_{\mu}P\acute{i}C, P_{\epsilon}PIP^{\circ}PjP_{\epsilon}, C\%_{\circ}Ps \text{ PjC}-C\acute{I}C, C\ddot{I}C, CH$
 $P_{\mu}C, P_{\epsilon}PSC-P\gg P_{\mu}C\acute{I}C, C_{\eta}P^{\circ}PrC-PsP\gg (0,02-0,04 \text{ PjPi}) \text{ C}-P\gg P_{\mu}PIPsPSPsC_{\eta}P\acute{i}P_{\mu}C\acute{I}C, C_{\eta}P_{\mu}P\gg$
 $(0,05-0,15 \text{ PjPi}), PrP_{\mu}P \cdot PsP\acute{i}P_{\mu}C\acute{I}C, C_{\eta}P_{\mu}P\gg (0,15 \text{ PjPi}) \text{ P}^{\circ}P\pm Ps \text{ P}\acute{i}P_{\mu}C\acute{I}C, PsPrP_{\mu}PS (0,05-0,1 \text{ PjPi}),$
 $P\acute{i}C_{\eta}P_{\mu}P\acute{i}P^{\circ}C_{\eta}P^{\circ}C, P_{\mathbb{H}}C-C,, P_{\mu}PSP^{\circ}PeC\acute{I}^{B^{\circ}} (1 \text{ P}\acute{i} 2 \text{ C}_{\eta}P^{\circ}P \cdot P_{\epsilon} PSP^{\circ} PrPsP\pm C\acute{r}) C\acute{r}$
 $PrPsC\acute{I}P\gg C-PrP_{\eta}P_{\mu}PSPSC- \text{ P} \cdot C\acute{r}C\ddagger P^{\circ}C\acute{I}C, C_{\mathbb{H}} 18 \text{ P}_{\eta}C-PSPsPe \text{ P}\acute{i}C-C\acute{I}P\gg C\ddot{I}$
 $C, C_{\eta}P^{\circ}PSC\acute{I}P\acute{i}P\gg P^{\circ}PSC, P^{\circ}C\ddagger C-C-, C\ddot{I}PeC- PSP_{\mu} \text{ PsC}, C_{\eta}P_{\epsilon}PjC\acute{r}PIP^{\circ}P\gg P_{\epsilon} C-PSC\epsilon C-$
 $C-PjC\acute{r}PSPsC\acute{I}C\acute{r}P\acute{i}C_{\eta}P_{\mu}C\acute{I}P^{\circ}PSC, P_{\epsilon}, PSP_{\mu} \text{ PIP}_{\epsilon}C\ddot{I}PIP\gg P_{\mu}PSPs \text{ PeP}\gg C-PSC-C\ddagger PSPs$
 $P \cdot PSP^{\circ}C\ddagger C\acute{r}C\%_{\circ}PsP\acute{i}Ps \text{ PIP}\acute{i}P\gg P_{\epsilon}PIC\acute{r} PSP^{\circ} \text{ P}\acute{i}C_{\eta}P_{\epsilon}P\acute{i}PSC-C\ddagger P_{\mu}PSPSC\ddot{I} \text{ PsPIC}\acute{r}P\gg C\ddot{I}C\ddagger C-C- \text{ P}\acute{i}C-Pr$
 $PrC-C''C_{\mathbb{H}} \text{ P}\acute{i}P_{\mu}C_{\eta}PsC_{\eta}P^{\circ}P\gg CHBPSP_{\epsilon}C... \text{ PePsPSC}, C_{\eta}P^{\circ}C\ddagger P_{\mu}P\acute{i}C, P_{\epsilon}PIC-PI. \text{ P C}-PIP_{\mu}PSC_{\mathbb{H}}$
 $P\acute{i}C_{\eta}PsP\acute{i}P_{\mu}C\acute{I}C, P_{\mu}C_{\eta}PsPSC\acute{r}, P\gg C_{\mathbb{H}}C, P_{\mu}C-PSC-P \cdot C\acute{r}C_{\mathbb{H}}C\ddagger PsP\acute{i}Ps \text{ P}\acute{i}PsC_{\eta}PjPsPSC\acute{r} C-$
 $C,, PsP\gg C-PeC\acute{r}P\gg PsC\acute{I}C, P_{\epsilon}PjC\acute{r}P\gg C_{\mathbb{H}}C_{\mathbb{H}}C\ddagger PsP\acute{i}Ps \text{ P}\acute{i}PsC_{\eta}PjPsPSC\acute{r} C\acute{I}C\acute{r}C, C, C''PIP_s PSP_{\mu}$
 $P \cdot PjC-PSC_{\mathbb{H}}PIP^{\circ}PIC\acute{I}C\ddot{I}.$

$P_{\mathbb{H}}P\gg C-PSC-C\ddagger PSC- \text{ C}...P^{\circ}C_{\eta}P^{\circ}PeC, P_{\mu}C_{\eta}P_{\epsilon}C\acute{I}C, P_{\epsilon}PeP_{\epsilon}.$

$P_{\mu}PsPeP^{\circ}P \cdot P^{\circ}PSPSC\ddot{I}.$

$P_{\mathbb{H}}C-C,, P_{\mu}PSP^{\circ}PeC\acute{I}^{B^{\circ}} \text{ P}\acute{i}C_{\eta}P_{\epsilon}P \cdot PSP^{\circ}C\ddagger P^{\circ}C_{\mathbb{H}}C, CH \text{ C}\acute{r} C\acute{I}PeP\gg P^{\circ}PrC- \text{ PePsPjP}\pm C-PSPsPIP^{\circ}PSPsC-$
 $C, P_{\mu}C_{\eta}P^{\circ}P\acute{i}C-C- \text{ P} \cdot C\ddagger P_{\epsilon}PeP\gg PsC\acute{I}P\acute{i}PsC_{\eta}P_{\epsilon}PSPsPj \text{ C}, P^{\circ}$
 $PePsC_{\eta}C, P_{\epsilon}PePsC\acute{I}C, P_{\mu}C_{\eta}PsC-PrP^{\circ}PjP_{\epsilon} \text{ PrP}\gg C\ddot{I} \text{ P}\acute{i}C_{\eta}PsC,, C-P\gg P^{\circ}PeC, P_{\epsilon}PeP_{\epsilon} \text{ P}\acute{i}PsC\acute{I}C, C_{\eta}PsP\acute{i}Ps$
 $PIC-PrC, PsC_{\eta}P\acute{i}PSP_{\mu}PSPSC\ddot{I} \text{ PsC}_{\eta}P\acute{i}P^{\circ}PSP^{\circ} \text{ C}\acute{r} P\acute{i}P^{\circ}C\ddagger C-C''PSC, C-PI \text{ P} \cdot P^{\circ}P\gg PsP\acute{i}P_{\mu}PSPSPsC_{\mathbb{H}}$
 $C, C_{\eta}P^{\circ}PSC\acute{I}P\acute{i}P\gg P^{\circ}PSC, P^{\circ}C\ddagger C-C''C_{\mathbb{H}} PSP_{\epsilon}C_{\eta}PeP_{\epsilon}, C\acute{I}P_{\mu}C_{\eta}C\ddagger C\ddot{I} \text{ P}^{\circ}P\pm Ps \text{ P}\acute{i}P_{\mu}C\ddagger C-PSPeP_{\epsilon}.$

$P_{\mu}C_{\eta}PsC, P_{\epsilon}P\acute{i}PsPeP^{\circ}P \cdot P^{\circ}PSPSC\ddot{I}.$

$P \text{ P}_{\mu}P^{\circ}PeC\ddagger C-C- \text{ P}\acute{i}C-P\acute{i}P_{\mu}C_{\eta}C\ddagger C\acute{r}C, P\gg P_{\epsilon}PIPsC\acute{I}C, C- \text{ PrPs PjC}-PePsC,, P_{\mu}PSPsP\gg P^{\circ}C, C\acute{r}$
 $PjPsC,, P_{\mu}C, P_{\epsilon}P\gg C\acute{r}, PjC-PePsC,, P_{\mu}PSPsP\gg PsPIPsC- \text{ PeP}_{\epsilon}C\acute{I}P\gg PsC, P_{\epsilon} \text{ P}^{\circ}P\pm Ps \text{ P}\pm C\acute{r}PrC_{\mathbb{H}}-$
 $C\ddot{I}PePsC- \text{ P} \cdot PrPsP\acute{i}PsPjC-P_{\eta}PSP_{\epsilon}C... C_{\eta}P_{\mu}C\ddagger PsPIP_{\epsilon}PS. P_{\mu}C_{\eta}P_{\epsilon} \text{ P} \cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC-$
 $P\acute{i}C_{\eta}P_{\mu}P\acute{i}P^{\circ}C_{\eta}P^{\circ}C, C\acute{r} P_{\mathbb{H}}C-C,, P_{\mu}PSP^{\circ}PeC\acute{I}^{B^{\circ}} \text{ C}\acute{I}P\acute{i}PsC\acute{I}C, P_{\mu}C_{\eta}C-P\acute{i}P^{\circ}P\gg P_{\epsilon} PIP_{\epsilon}P\acute{i}P^{\circ}PrPeP_{\epsilon}$
 $C_{\eta}P_{\mu}P^{\circ}PeC\ddagger C-P_{\mathbb{N}} \text{ P}\acute{i}C-P\acute{i}P_{\mu}C_{\eta}C\ddagger C\acute{r}C, P\gg P_{\epsilon}PIPsC\acute{I}C, C- (\text{PrP}_{\epsilon}PI. C_{\eta}PsP \cdot PrC-P\gg \text{ B}\langle P_{\mu}PsP\pm C-C\ddagger PSC-$
 $C_{\eta}P_{\mu}P^{\circ}PeC\ddagger C-C-B\rangle).$

$P_{\mathbb{H}}C-C,, P_{\mu}PSP^{\circ}PeC\acute{I}^{B^{\circ}} PSP_{\mu} \text{ C}\acute{I}P\gg C-Pr \text{ P}\acute{i}C_{\eta}P_{\epsilon}P \cdot PSP^{\circ}C\ddagger P^{\circ}C, P_{\epsilon} \text{ P}_{\eta}C-PSPeP^{\circ}Pj$
 $C_{\eta}P_{\mu}P\acute{i}C_{\eta}PsPrC\acute{r}PeC, P_{\epsilon}PIPsPsP\acute{i}Ps \text{ PIC}-PeC\acute{r}, C\ddot{I}PeC- PSP_{\mu} \text{ P} \cdot P^{\circ}C\acute{I}C, PsC\acute{I}PsPIC\acute{r}C_{\mathbb{H}}C, CH$
 $P_{\mu}C,, P_{\mu}PeC, P_{\epsilon}PIPSC- PjP_{\mu}C, PsPrP_{\epsilon} \text{ PePsPSC}, C_{\eta}P^{\circ}C\ddagger P_{\mu}P\acute{i}C\ddagger C-C- (\text{PrP}_{\epsilon}PI. C_{\eta}PsP \cdot PrC-P\gg$
 $\text{ B}\langle P-P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\ddot{I} \text{ C}\acute{r} P\acute{i}P_{\mu}C_{\eta}C-PsPr \text{ PIP}^{\circ}P\acute{i}C-C, PSPsC\acute{I}C, C- \text{ P}^{\circ}P\pm Ps$
 $P\acute{i}PsPrC\acute{r}PIP^{\circ}PSPSC\ddot{I} \text{ P}\acute{i}C_{\eta}C\acute{r}PrPrC_{\mathbb{H}}B\rangle).$

$P\gg C-PeC\acute{r}PIP^{\circ}PSPSC\ddot{I} \text{ P}\acute{i}C_{\eta}P_{\mu}P\acute{i}P^{\circ}C_{\eta}P^{\circ}C, PsPj \text{ P}_{\mathbb{H}}C-C,, P_{\mu}PSP^{\circ}PeC\acute{I}^{B^{\circ}} PSP_{\mu} \text{ C}\acute{I}P\gg C-Pr$
 $C_{\eta}PsP \cdot P\acute{i}PsC\ddagger P_{\epsilon}PSP^{\circ}C, P_{\epsilon} \text{ PrP}\gg C\ddot{I} \text{ P}_{\eta}C-PSPsPe \text{ C}_{\eta}P_{\mu}P\acute{i}C_{\eta}PsPrC\acute{r}PeC, P_{\epsilon}PIPsPsP\acute{i}Ps \text{ PIC}-PeC\acute{r},$
 $C\ddot{I}PeC- PSP_{\mu} \text{ P} \cdot C_{\eta}PsP\pm P_{\epsilon}P\gg P_{\epsilon} C, P_{\mu}C\acute{I}C, PSP^{\circ} \text{ PIP}^{\circ}P\acute{i}C-C, PSC-C\acute{I}C, CH, \text{ PrP}\gg C\ddot{I}$
 $C\acute{r}PSP_{\epsilon}PePSP_{\mu}PSPSC\ddot{I} \text{ PIP}_{\epsilon}P\acute{i}P^{\circ}PrPePsPIPsP\acute{i}Ps \text{ P} \cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\ddot{I}$
 $P\acute{i}C_{\eta}P_{\mu}P\acute{i}P^{\circ}C_{\eta}P^{\circ}C, C\acute{r} \text{ C}\acute{r} P\acute{i}P_{\mu}C_{\eta}C-PsPr \text{ PIP}^{\circ}P\acute{i}C-C, PSPsC\acute{I}C, C- (\text{PrP}_{\epsilon}PI. C_{\eta}PsP \cdot PrC-P\gg$
 $\text{ B}\langle P-P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\ddot{I} \text{ C}\acute{r} P\acute{i}P_{\mu}C_{\eta}C-PsPr \text{ PIP}^{\circ}P\acute{i}C-C, PSPsC\acute{I}C, C- \text{ P}^{\circ}P\pm Ps$
 $P\acute{i}PsPrC\acute{r}PIP^{\circ}PSPSC\ddot{I} \text{ P}\acute{i}C_{\eta}C\acute{r}PrPrC_{\mathbb{H}}B\rangle).$

$P_{\mathbb{H}}C-C,, P_{\mu}PSP^{\circ}PeC\acute{I}^{B^{\circ}} PSP_{\mu} \text{ C}\acute{I}P\gg C-Pr \text{ P} \cdot P^{\circ}C\acute{I}C, PsC\acute{I}PsPIC\acute{r}PIP^{\circ}C, P_{\epsilon} \text{ C}\acute{r} P\acute{i}P_{\mu}C_{\eta}C-PsPr$

PIP°PiC-C,PSPsCfC,C-, PsPeCfC-Pj PIPëPiP°PrPeC-PI, PePsP»Pë PIC-PrCfCfC,PSC°
P°P»CHC,PµCfPSP°C,PëPIPSµ P»C-PeCfPIP°PSPSCf PrP»Cf P·P°PiPsP±C-PiP°PSPSCf
PIC-PrC,PscfPiPSPµPSPSCf C,CfP°PSCfPiP»P°PSC,P°C,P° (PrPëPI. CfPsP·PrC-P»
B«P—P°CfC,PscfCfPIP°PSPSCf Cr PiPµCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps
PiPsPrCfPIP°PSPSCf PiCfCfPrPrCfB»).

PfC-C,,PµPSP°PeCf^{B®} PSPµ CfP»C-Pr P·P°CfC,PscfPsPICfPIP°C,Pë Cr PiPµCfC-PsPr
PiPsPrCfPIP°PSPSCf PiCfCfPrPrCf (PrPëPI. CfPsP·PrC-P» B«P—P°CfC,PscfCfPIP°PSPSCf Cr
PiPµCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrCfPIP°PSPSCf PiCfCfPrPrCfB»).

PfCfPsP±P»PëPIC- P·P°C...PsPrPë P±PµP·PiPµPePë.

PfCfPeC-P»CHPePë Cr PjC-PePsC,,PµPSPsP»P°C,Cr PjPsC,,PµC,PëP»Cr PIPëCfPIP»PµPSPs
C,PµCfP°C,PsiPiPµPSPSCf PrC-Cf, PeP°PiCfCfP»Pë PiCfPµPiP°CfP°C,Cr PSPµ CfP»C-Pr
PIC-PrPeCfPëPIP°C,Pë P°P±Ps CfPsP·P»P°PjCfPIP°C,Pë. PkPµPsP±C...C-PrPSPs CrPSPëPeP°C,Pë
PIPrPëC...P°PSPSCf PiPsCfPsCfPeCf, C°Ps PjC-CfC,PëC,CHCfCf PI PeP°PiCfCfP»P°C...,
P°P±Ps PµPsPiPs PiCfCfPjPsPiPs PiPsC,CfP°PiP»CfPSPSCf PSP° CfPeC-CfCf C±Pë
CfP»PëP·PsPIC- PsP±PsP»PsPSPë. PiPeC°Ps C±Pµ PIC-PrP±CfP»PsCfCf, PiPsC,CfC-P±PSPs
CfPµC,PµP»CHPSPs PiCfPsPjPëC,Pë CrCfP°PµPSCf PrC-P»CfPSPeCf PiPsPrPsCf P·
PjPëP»PsPj, P° PsC±C- Bf” P»PëCfPµ PiPsPrPsCf.

PkPµPIPrPëPePsCfPëCfC,P°PSPëPµ PiCfPµPiP°CfP°C, CfP»C-Pr CrC,PëP»C-P·CfPIP°C,Pë
P·PiC-PrPSPs P· PjC-CfC±PµPIPrPjPë PIPëPjPsPiP°PjPë.

P'P·P°C”PjPsPrC-Cf P· C-PSCfPëPjPë P»C-PeP°CfCfCHPePëPjPë P·P°CfPsP±P°PjPë C,P° C-PSCfC- PIPëPrPë PIP·P°C”PjPsPrC-PN°.

PfC±PëPeP»PsPIC-Cf. PµP»P°P·PjPsPIC- PePsPSC±PµPSC,CfP°C±C-C— P°C±PëPeP»PsPIC-CfCf
PIPëC°C- PiCfPë P·P°CfC,PscfCfPIP°PSPSC- CfP°P·PsPj C-P· PjC-PePsC,,PµPSPsP»P°C,Cr
PjPsC,,PµC,PëP»PsPj PiPsCfC-PIPSfPSPs P· PIPµPrPµPSPSCfPj P»PëCfPµ
P°C±PëPeP»PsPIC-CfCf. P—PjC-PSPë Cr C,,P°CfPjP°PePsPeC-PSPµC,PëC±C-
C,,PµPSPsP»CHPSPsPiPs PiP»CfPeCfCfPsPSC-PrCf PjC-PePsC,,PµPSPsP»PsPiPsC—
PePëCfP»PsC,Pë (P·P±C-P»CHCfPµPSPSCf PSP° 8% PrP»Cf PfPαPµP”) P±CfP»Pë
PjC-PSC-PjP°P»CHPSPëPjPë C- PSPµ PIP°PµP»PëCfCf PeP»C-PSC-C±PSPs
P·PSP°C±CfC°PëPjPë. P'PSP°CfP»C-PrPsPe C,PsPiPs, C°Ps PiP»P°P·PjPsPIC-
PePsPSC±PµPSC,CfP°C±C-C— PfPαPµP” CfPe C- PePsPSC±PµPSC,CfP°C±C-C—
P°C±PëPeP»PsPIC-CfCf PiC-PrPIPëC°CfCf,CHCfCf PiCfPë PSP°CfPIPSfCfC,C-
PiPsCfCfCfPµPSPSCf PSPëCfPsPe, C-CfPSCfC” PjPsPµP»PëPIC-CfC,CH C,PsPiPs, C°Ps
PjC-PePsC,,PµPSPsP»P°C,Cr PjPsC,,PµC,PëP» C,P° P°C±PëPeP»PsPIC-Cf P°P±Ps PµPsPiPs
PiCfPsP»C-PePë, PSP°PiCfPëPeP»P°Pr PIP°P»P°C±PëPeP»PsPIC-Cf, P±CfPrCfC,CH
PePsPSPeCfCfPIP°C,Pë P·P° C,CfP±CfP»CfCfPSCf CfPµPeCfPµC±C-Cf, C,P° PjPsPµPµ
CfPiPsCfC,PµCfC-PiP°C,PëCfCf PiPsPrP°P»CHCfPµ PiC-PrPIPëC°PµPSPSCf
PePsPSC±PµPSC,CfP°C±C-PN° PsP±PsC... CfPµC±PsPIPëPS.

PfPSC,P°C±PëPrPë C,P° C-PSPiC-P±C-C,PscfPë PiCfPsC,PSPSPSfC— PiPsPjPiPë (P±PµPµ).
PÿPiPsCfC,PµCfC-PiP°P»PsCfCf P·PSPëPµPSPSCf PIPiP»PëPICf
PjC-PePsC,,PµPSPsP»PsPiPsC— PePëCfP»PsC,Pë (PfPαPµ), PePsP»Pë P°PSC,P°C±PëPrPë,
C,P°PeC- CfPe PjP°PiPSC-Cf C- P°P»CfPjC-PSC-Cf PiC-PrCfPsPeCfPëPrPë, C- P±PµPµ, PI

C,PsPjCf C±PëCfP»C- C- P»P°PSCfPsPïCfP°P·PsP», PïP°PSC,PsPïCfP°P·PsP»
P·P°CfC,PsCfPsPICfPIP°P»Pë CfP°P·PsPj P· PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»PsPj.
PµCfPë PïPsCfC-PIPSCfPSPSC- CëPIPëPrPePsCfC,C- PIC-PrC,PsCfPiPSPµPSPSCf
C,CfP°PSCfPïP»P°PSC,P°C,P° P°P±Ps CfC-PIPSCf PIC,CfP°C,Pë C,CfP°PSCfPïP»P°PSC,P°C,P°
PjC-P¶ PïP°C†C-C”PSC,P°PjPë, C¶PeC- CfP°P·PsPj P· PjC-PePsC,,PµPSPsP»P°C,Cf
PjPsC,,PµC,PëP»PsPj PïCfPëPñPjP°CfC,Ch P†PµPµ, C- C,PëPjPë PïP°C†C-C”PSC,P°PjPë, C¶PeC-
PSPµ PïCfPëPñPjP°CfC,Ch P†PµPµ, PSC-C¶PePëC... C-CfC,PsC,PSPëC...
PIC-PrPjC-PSPSPSCfC,PµPñ PSPµ P±CfP»Ps. PjC- PrP°PSC- PïC-PrC,PIPµCfPrP¶CfCfC,Ch
PµPeCfC,CfP°PïPsP»C¶C†C-Cf C†PëC... CfPµP·CfP»ChC,P°C,C-PI PSP° PICfC-
P°PSC,P°C†PëPrPë, PsCfPeC-P»ChPePë P·PjPµPSCëPµPSPSCf PIPïP»PëPICf PïCfPë
PsPrPSPSc±P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- PjC-PePsC,,PµPSPsP»P°C,Cf
PjPsC,,PµC,PëP»Cf P· PjP°PiPSC-C”PIPëPjPë C- P°P»ChPjC-PSC-C”PIPëPjPë
PiC-PrCfPsPsPePëCfP°PjPë P·PSP°C±PSPs PjPµPSCëPµ, PSC-P¶ PïCfPë
PsPrPSPSc±P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- PjC-PePsC,,PµPSPsP»P°C,Cf
PjPsC,,PµC,PëP»Cf C,P° P†PµPµ.

P>C-PeP°CfCfChPeC- P·P°CfPsP±Pë, C%Ps PïPsCfCfCëCfCfC,Ch
PµPSC,PµCfPsPiPµPïP°C,PëC±PSCf C†PëCfPeCfP»C¶C†C-Cf (PSP°PïCfPëPeP»P°Pr
C...PsP»PµCfC,PëCfP°PjC-PS, C†PëPeP»PsCfPïPsCfPëPS Pñ, P°PSC,PëP±C-PsC,PëPePë).
PŸP»C-Pr PsP±PµCfPµP¶PSPs PïC-PrC...PsPrPëC,Pë PrPs P»C-PeP°CfCfChPePëC...
P·P°CfPsP±C-PI, C¶PeC- PïPsCfCfCëCfCfC,Ch PµPSC,PµCfPsPiPµPïP°C,PëC±PSCf
C†PëCfPeCfP»C¶C†C-Cf, PICfP°C...PsPICfCfC±Pë C—C... PïPsC,PµPSC†C-PñPSCf
P·PrP°C,PSC-CfC,Ch P·PSPëP¶CfPIP°C,Pë PµC,,PµPeC,PëPIPSC-CfC,Ch
PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf.

PfPsP»PµCfC,PëCfP°PjC-PS. PµC-CfP»C¶ P·P°CfC,PsCfCfPIP°PSPSCf
PsPrPSPsPeCfP°C,PSPsC— PrPsP·Pë 1,5 Pi PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf
P·PrPsCfPsPIPëPj PrPsP±CfPsPIPsP»ChC†C¶Pj, C¶PeC- PïPsPiPµCfPµPrPSCfPs
P·P°CfC,PsCfPsPICfPIP°P»Pë PïPs 4 Pi C...PsP»PµCfC,PëCfP°PjC-PSCf 3 CfP°P·Pë PSP°
PrPsP±Cf PïCfPsC,C¶PiPsPj 4 PrPSC-PI, CfPïPsCfC,PµCfC-PiP°P»PsCfC¶
P·PjPµPSCëPµPSPSCf AUC_{PñPñPñ} PSP° 40% (PrPëPI. CfPsP·PrC-P»Pë B«PñCfPsP±P»PëPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCfB», B«P»P°CfPjP°PePsPeC-PSPµC,PëPeP°B»). PŸP»C-Pr
PsP±PµCfPµP¶PSPs PïC-PrC...PsPrPëC,Pë PrPs PsPrPSPsC±P°CfPSPsPiPs
P·P°CfC,PsCfCfPIP°PSPSCf PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf C,P°
C...PsP»PµCfC,PëCfP°PjC-PSCf, PICfP°C...PsPICfCfC±Pë PïPsC,PµPSC†C-PñPSCf
P·PrP°C,PSC-CfC,Ch P·PSPëP¶PµPSPSCf PµC,,PµPeC,PëPIPSPsCfC,C-
PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf.

PjPëPeP»PsCfPiPsCfPëPS Pñ. P»P°CfPjP°PePsPeC-PSPµC,PëPeP° C†PëPeP»PsCfPïPsCfPëPSCf
Pñ PSPµ P·PjC-PSCfC”C,ChCfC¶ PïCfPë P·P°CfC,PsCfCfPIP°PSPSC-
PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf. PñP°PIP°PePë, PïCfPë PïCfPëPïPëPSPµPSPSC-
PsPrPSPsC±P°CfPSPsPiPs P»C-PeCfPIP°PSPSCf C†PëPeP»PsCfPïPsCfPëPSPsPj PjPsP¶PSP°
PsC±C-PeCfPIP°C,Pë PïC-PrPIPëC%PµPSPSCf AUC_{PñPñPñ} PïCfPëP±P»PëP·PSPs PSP° 30%.
PjPëPeP»PsCfPiPsCfPëPS Pñ PIPïP»PëPIP°C” PSP° PµPSC,PµCfPsPiPµPïP°C,PëC±PSCf
CfPµC†PëCfPeCfP»C¶C†C-Cf MP»Pñ, C%Ps PïCfPëP·PIPsPrPëC,Ch PrPs P·PSPëP¶PµPSPSCf
PµPeCfPiPsP·PëC†C-C— MP»Pñ PSP° 30-50% Cf C...PIPsCfPëC... PïC-CfP»C¶
C,CfP°PSCfPïP»P°PSC,P°C†C-C— PSPëCfPePë, C¶PeC- PsC,CfPëPjCfPIP°P»Pë
PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP» C- C†PëPeP»PsCfPïPsCfPëPS Pñ
PïPsCfC-PIPSCfPSPs P· PïP°C†C-C”PSC,P°PjPë, C¶PeC- PsC,CfPëPjCfPIP°P»Pë
CfPëCfPsP»C-PjCfCf P°P±Ps P±PµP»P°C,P°C†PµPïC, C,P° P°PSP°P»PsPiC-C±PSC- PrPsP·Pë
PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf (PrPëPI. C,P°PePsP¶ CfPsP·PrC-P»

B«PhCfPSP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB»). P† PSP°PIPIP°PePë, P·PjC-PSPë PµPeCfPiPsP·PëC†C-C— MPαPъ CfP»C-Pr PsC†C-PeCfPIP°C,Pë PiCfPë PiPµCfPµPIPµPrPµPSPSC- PiP°C†C-C”PSC,C-PI P· C†PëPeP»PsCfPiPsCfPëPSCr Ph PSP° PsPrPëPS P· C-PjCfPSPsCfCfPiCfPµCfP°PSC,C-PI, CµPeC- PSPµ PIPIP»PëPIP°CfC,Ch PSP° PµPSC,PµCfPSPiPµPiP°C,PëC†PSPëPNë C†PëPeP» MPαPъ.

PhPSC,PëP±C-PsC,PëPePë, CµPeC- P·PjPµPSCëCfCfC,Ch PeC-P»ChPeC-CfC,Ch P±P°PeC,PµCfC-PNë, C%Ps PiCfPSPPrCfPeCfCfC,Ch β-PiP»ChPeCfCfPSPSC-PrP°P·Cf, Cf PePëCëPµC†PSPëPeCf (PSP°PiCfPëPeP»P°Pr P°PjC-PSPsPiP»C-PePsP·PëPrPë, C†PµC,,P°P»PsCfPiPsCfPëPSPë, C,,C,PsCfC...C-PSPsP»PsPSPë C,P° PiPµPSC-C†PëP»C-PSPë), PjPsP¶CfC,Ch PIPIP»PëPIP°C,Pë PSP° PµPSC,PµCfPSPiPµPiP°C,PëC†PSCr C†PëCfPeCfP»CµC†C-Cf PъPαPъP”/PъPαPъ, C%Ps PjPsP¶Pµ PiCfPëP·PIPsPrPëC,Pë PrPs P·PSPëP¶PµPSPSCf C†PëCfC,PµPjPSPsC— PµPeCfPiPsP·PëC†C-C— PъPαPъ. PkP°CµPIPSP° C-PSC,,PsCfPjP°C†C-Cµ C%PsPrPs P·P°P·PSP°C†PµPSPëC... PSPëP¶C†Pµ P°PSC,PëP±C-PsC,PëPeC-PI.

PiPëPiCfPSPC,,P»PsPeCfP°C†PëPS C,P° P°PjPsPeCfPëC†PëP»C-PS P· PeP»P°PICzP»PsPSPsPIPsCf PePëCfP»PsC,PsCf. PµPsPIC-PrPsPjP»CµP»Pë PiCfPs P·PSPëP¶PµPSPSCf PiCfPµPrPsP·PsPIPsC— (PjC-PSC-PjP°P»ChPSPsC—) PePsPSC†PµPSC,CfP°C†C-C— PъPαPъ PiCfPëP±P»PëP·PSPs PSP° 50% PiCfPsC,CµPiPsPj PrPµPeC-P»ChPePsC... PrPSC-PI PiC-CfP»Cµ PiPµCfPSPCfP°P»ChPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf C†PëPiCfPSPC,,P»PsPeCfP°C†PëPSCr C†Pë P°PjPsPeCfPëC†PëP»C-PSCr P· PeP»P°PICrP»PsPSPsPIPsCf PePëCfP»PsC,PsCf Cf PiP°C†C-C”PSC,C-PI P· PSPëCfPePsPIPëPjPë C,CfP°PSCfPiP»P°PSC,P°C,P°PjPë. P†P· PiCfPSPPrPsPIP¶PµPSPSCfPj P°PSC,PëP±C-PsC,PëPePsC,PµCfP°PiC-C— PrP°PSPëPNë PµC,,PµPeC, PjP°PI C,PµPSPPrPµPSC†C-Cf PrPs P·PjPµPSCëPµPSPSCf C,P° P·PSPëPeP°PI PiC-CfP»Cµ PiCfPëPiPëPSPµPSPSCf P»C-PeCfPIP°PSPSCf P°PSC,PëP±C-PsC,PëPeP°PjPë. P—PjC-PSPë PiCfPµPrPsP·PsPIPsPiPs CfC-PIPSfCf PSPµ PjPsP¶CfC,Ch C,PsC†PSPs CfPIC-PrC†PëC,Pë PiCfPs P·PjC-PSPë P·P°PiP°P»ChPSPsC— PµPeCfPiPsP·PëC†C-C— PъPαPъ. P’C-PrPiPsPIC-PrPSPs, P·P°P·PIPëC†P°PNë PSPµPjP°C” PSPµPsP±C...C-PrPSPsCfC,C- Cf P·PjC-PSC- PrPsP·Pë PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf Cf CfP°P·C- PIC-PrCfCfC,PSPsCfC,C- PeP»C-PSC-C†PSPëC... PsP·PSP°Pe PrPëCfC,,CfPSPëC†C-C— C,CfP°PSCfPiP»P°PSC,P°C,P°. PhPrPSP°Pe PSPµPsP±C...C-PrPSPs PiCfPSPiPsPrPëC,Pë CfPµC,PµP»ChPSPëPNë PeP»C-PSC-C†PSPëPNë PjPsPSC-C,PsCfPëPSPi PiC-Pr C†P°Cf PePsPjP±C-PSPsPIP°PSPsPiPs P»C-PeCfPIP°PSPSCf C- PSPµPIPrPsPIP·C- PiC-CfP»Cµ P»C-PeCfPIP°PSPSCf P°PSC,PëP±C-PsC,PëPeP°PjPë.

PkPsCfC,,P»PsPeCfP°C†PëPS C,P° PjPµC,CfPSPSC-PrP°P·PsP». Pj P·PrPsCfPSPiPëC... PrPsP±CfPSPiPsP»ChC†C-PI PSPµ CfPiPsCfC,PµCfC-PiP°P»PsCfCµ P·PSP°C†CfC%PsC— PIP·P°C”PjPsPrC-C— PiCfPë PsPrPSPsC†P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf P· PSPsCfC,,P»PsPeCfP°C†PëPSPsPj C,P° PjPµC,CfPSPSC-PrP°P·PsP»PsPj PsPeCfPµPjPs. PµCfPSPC,Pµ PePsPjP±C-PSP°C†C-Cµ PSPsCfC,,P»PsPeCfP°C†PëPSCr C,P° PjPµC,CfPSPSC-PrP°P·PsP»Cf PjPsP¶Pµ P·PjPµPSCëCfPIP°C,Pë PµPeCfPiPsP·PëC†C-Cf PъPαPъ PiCfPëP±P»PëP·PSPs PSP° 30% PiC-CfP»Cµ PsPrPSPsCfP°P·PsPIPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf PjC-PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»Cf.

PjCfPëPjPµC,PsPiCfPëPj/CfCzP»ChC,,P°PjPµC,PsPeCfP°P·PsP». PkC-CµPePsPiPs PIPIP»PëPICf PSP° P±C-PsPrPsCfC,CfPiPSC-CfC,Ch PъPαPъ PSPµ CfPiPsCfC,PµCfC-PiP°P»PsCfCµ.

P·C-PeP°CfCfChPeC- P·P°CfPSP±Pë, CµPeC- PIPIP»PëPIP°CfC,Ch PSP° PiP»ChPeCfCfPSPSC-P·P°C†C-Cf (PSP°PiCfPëPeP»P°Pr C-P·P°PICfPePsPSP°P·PsP».

C, P_μP»PjC-ClP°C₇C, P°PS).

PhPrPSPsC₇P°ClPSP_μ P·P°ClC, PsClC₇PIP°PSPSC₇ P»C-PeP°C₇ClC₇PeP₆C... P·P°ClPsP±C-PI, ClPeC- PIPiP»P₆PIP°C₇C, C₇ PSP° PiP»C₇PeC₇PsPSC-P·P°ClC-C₇ PhP₆P₇, PjPsP₇P_μ P·PjC-PSP₆C, P₆ P_μPeClP₆PsP·P₆C₇C-C₇ PhP₆P₇. P₇PsPjC₇ C₇P_μPePsPjP_μPSP₇CrC₇C, C₇ClC₇ P₆C₇PsClPIP»ClC, P₆ PsP±P_μC₇P_μP₇PSC-ClC, C₇ P₆C-Pr C₇P°Cl P·P°ClC, PsClC₇PIP°PSPSC₇ C₇P₆C... P»C-PeP°C₇ClC₇PeP₆C... P·P°ClPsP±C-PI PsPrPSPsC₇P°ClPSPs P· PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P»PsPj.

P₇P·P°PIC₇PePsPSP°P·PsP». P—P±C-P»C₇C₇PeP_μPSPSC₇ AUC_{0-∞} MP₆P₇ PSP° 35% ClP₆PsClC, P_μC₇C-PiP°P»PsClC₇ P₆C-Pr C₇P°Cl PsPrPSPsC₇P°ClPSPsPiPs P·P°ClC, PsClC₇PIP°PSPSC₇ P· C-P·P°PIC₇PePsPSP°P·PsP»PsPj.

P₇P_μP»PjC-ClP°C₇C, P°PS. PhPrPSPsC₇P°ClPSP_μ P·P°ClC, PsClC₇PIP°PSPSC₇ C, P_μP»PjC-ClP°C₇C, P°PSC₇ C- PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P»Cr P₆C₇P₆·PIPsPrP₆C, C₇ PrPs P·PSP₆P₇P_μPSPSC₇ PePsPSC₇P_μPSC, C₇P°ClC-C— MP₆P₇ P₆C₇P₆±P»P₆·PSPs PSP° 30%. P₇P_μP»PjC-ClP°C₇C, P°PS PIPiP»P₆PIP°C₇ PSP° P_μP»C-PjC-PSP°ClC-C₇ PhP₆P₇ C₇PeP»ClC... PsPj P₆C-PrPIP₆C₇P_μPSPSC₇ P_μPeClP₆C₇P_μClC-C— PiP°PjPjP°-C₇P_μC₇P_μP₆C, PsC₇C-PI, ClPeC- P°PeC, P₆PIC₇C₇C, C₇ P₆C₇PsP»C-C₇, P_μC₇P°ClC-C₇ P₆P_μC₇PsPeClP₆ClP₆Pj, C₇Ps, Cr ClP₆PsC₇ C₇P_μC₇P₆Cl₆, P₆C₇P₆·PIPsPrP₆C, C₇ PrPs P₆PsClP₆P»P_μPSPSC₇ P_μPeClP₆C₇P_μClC-C— C, P° P°PeC, P₆PIPSPsClC, C- UGT1A9. P_μC₇P₆ P₆PsC₇C-PIPSC₇PSPSC- C₇PIP₆PrPePsClC, C- PIC-PrC, PsC₇P₆PSP_μPSPSC₇ C, C₇P°PSC₇P₆P»P°PSC, P°C, P°, C₇C-PIPSC₇ PIC, C₇P°C, P₆ C, C₇P°PSC₇P₆P»P°PSC, P°C, P° P°P±Ps P₆C₇PsC₇, C-P»C₇ P₆PsP±C-C₇PSP₆C... C₇P_μP°PeClC-PN₆ ClP_μC₇P_μPr P₆P°ClC-C₇PSC, C-PI, ClPeC- P₆C₇P₆PN₆PjP°C₇C, C₇ PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P» P· P°P±Ps P±P_μ· ClC₇P₆ClC, PsC₇PsPiPs P₆C₇P₆PN₆PsPjC₇ C, P_μP»PjC-ClP°C₇C, P°PSC₇, PeP»C-PSC-C₇PSP₆C... PSP°ClP»C-PrPeC-PI C₇, P°C₇PjP°PePsPeC-PSP_μC, P₆C₇PSPsC— PIP·P°C₇PjPsPrC-C— P₆C₇P_μP₆P°C₇P°C, C-PI PSP_μ ClP₆PsClC, P_μC₇C-PiP°P»PsClC₇.

P°PSC₇P₆PeP»PsPIC-C₇. P—P° C₇P_μP·CrP»C₇C, P°C, P°PjP₆ PrPsClP»C-PrP₇P_μPSPSC₇ P· C₇P°P·PsPIP₆Pj P₆P_μC₇PsC₇P°P»C₇PSP₆Pj P₆C₇P₆PN₆PsPjPsPj C₇P_μPePsPjP_μPSP₇PsPIP°PSP₆C... PrPsP· PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P»Cr C- PIPSC₇C, C₇C-C₇PSCH₆PsPIP_μPSPSP₆Pj PIPiP_μPrP_μPSPSC₇Pj PiP°PSC₇P₆PeP»PsPIC-C₇Cr P· CrC₇P°C...CrPIP°PSPSC₇Pj PIC-PrPsPjPsPiPs PIPiP»P₆PIC₇ PSP₆C₇PePsPIP₆C— PSP_μPrPsClC, P°C, PSPsClC, C- PSP° C₇, P°C₇PjP°PePsPeC-PSP_μC, P₆PeC₇ PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P»Cr C- PiP°PSC₇P₆PeP»PsPIC-C₇Cr PjPsP₇PSP° PsC₇C-PeC₇PIP°C, P₆, C₇Ps PsPrPSPsC₇P°ClPSP_μ P·P°ClC, PsClC₇PIP°PSPSC₇ C₇P₆C... P·P°ClPsP±C-PI (C₇Ps PePsPSPeC₇C₇ClC, C₇ P·P° C, CrP±CrP»ClC₇PSC₇ ClP_μPeC₇P_μC₇C-C₇) P₆C₇P₆·PIP_μPrP_μ PrPs P₆C-PrPIP₆C₇P_μPSPSC₇ PePsPSC₇P_μPSC, C₇P°ClC-PN₆ PhP₆P₇ C- PiP°PSC₇P₆PeP»PsPIC-C₇Cr. P₇ClC, PsC, PSPsC— P·PjC-PSP₆C, P°C₇PjP°PePsPeC-PSP_μC, P₆PeP₆ PhP₆P₇ PSP_μ PsC₇C-PeC₇C₇C, C₇ClC₇ C, PsPjC₇ PePsC₇P₆PIC₇PIP°C, P₆ PrPsP·Cr PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P»Cr PSP_μ P₆PsC, C₇C-P±PSPs. Pj PiP°ClC-C₇PSC, C-PI C-P· PSP₆C₇PePsPIP₆C₇ PSP_μPrPsClC, P°C, PSC-ClC, C₇, ClPeP₆Pj PsPrPSPsC₇P°ClPSPs P₆C₇P₆·PSP°C₇P°C₇C, C₇ PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P» C, P° PiP°PSC₇P₆PeP»PsPIC-C₇ P°P±Ps PN₆PsPiPs P₆C₇PsP»C-PeP₆, PSP°P₆C₇P₆PeP»P°Pr PIP°P»PiP°PSC₇P₆PeP»PsPIC-C₇, PSP_μPsP±C...C-PrPSPs PrPsC, C₇P₆PjC₇PIP°C, P₆ClC₇ C₇P_μPePsPjP_μPSP₇PsPIP°PSPsPiPs PrP»Cl₇ PiP°PSC₇P₆PeP»PsPIC-C₇Cr C₇P_μP₇P₆PjC₇ PrPsP·CrPIP°PSPSC₇ C- C₇P_μC, P_μP»C₇PSPs ClP₆PsClC, P_μC₇C-PiP°C, P₆ P·P° ClC, P°PSPsPj C...PIP₆C₇P₆C....

P_μP_μC₇PsC₇P°P»C₇PSC- PePsPSC, C₇P°ClP_μP₆, P₆PIP₆. PhPrPSPsC₇P°ClPSP_μ P·P°ClC, PsClC₇PIP°PSPSC₇ PjC-PePsC₇, P_μPSPsP»P°C, Cr PjPsC₇, P_μC, P₆P»Cr PSP_μ

PIPIP»PëPIP°C” PSP° C,,P°CTHPjP°PePsPeC-PSPμC,PëPeCf C,P° C,,P°CTHPjP°PePsPrPëPSP°PjC-PeCf
PiPμCTHPsCTHP°P»CHPSPëC... PePsPSC,CTHP°C†PμPiC,PëPIC-PI (PrPëPI. CTHPsP·PrC-P»
B«PαP°CTHPjP°PePsPeC-PSPμC,PëPeP°B»).

P PëC,,P°PjPiC-C†PëPS. PJ PiP°C†C-C”PSC,C-PI, CIIPeC- C,P°PePsP¶ PSPμ PiCTHPëPNëPjP°CTHC,CH
C†PëPeP»PsCfPiPsCTHPëPS, PsPrPSPsC†P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCII
PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf C,P° CTHPëC,,P°PjPiC-C†PëPSCf
PiCTHPëP·PIPsPrPëC,CH PrPs P·PSPëP¶PμPSPSCII PμPeCfPiPsP·PëC†C-C—
PñPαPñ (AUC_{0-12 PiPsPrPëPS}) PIC-Pr 18% PrPs 70%. P PμPePsPjPμPSPPrCfC”C,CHCfCII
PiCTHPsPiPsPrPëC,Pë PjPsPSC-C,PsCTHPëPSPi CTHC-PIPSC-PI PμPeCfPiPsP·PëC†C-C— PñPαPñ C,P°
PIC-PrPiPsPIC-PrPSPëPj C†PëPSPsPj PePsCTHPëPiCfPIP°C,Pë PrPsP·Pë
PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf PrP»CII PiC-PrC,CTHPëPjP°PSPSCII
PeP»C-PSC-C†PSPsC— PμC,,PμPeC,PëPIPsPSCfC,C- PiCTHPë PsPrPSPsC†P°CfPSPsPjCf
PiCTHPëP·PSP°C†PμPSPSC- CTHPëC,,P°PjPiC-C†PëPSCf.

PYPIPIPIPμP»P°PjPμCTH. P—PSPëP¶PμPSPSCII PŸ_{max} C- AUC_{0-12 PiPsPrPëPS}
PjC-PePsC,,PμPSPsP»PsPiPsC— PePëCfP»PsC,Pë PSP° 30% C,P° 25% PIC-PrPiPsPIC-PrPSPs
CfPiPsCfC,PμCTHC-PiP°P»Pë PiCTHPë PsPrPSPsC†P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC-
PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf P· CfPμPIPIPμP»P°PjPμCTHPsPj P±PμP·
P±CfPrCH-CIIPePëC... PeP»C-PSC-C†PSPëC... PSP°CfP»C-PrPeC-PI (C,PsP±C,Ps P±PμP·
PIC-PrC,PsCTHPiPSPμPSPSCII C,CTHP°PSCfPiP»P°PSC,P°C,P°). P PμPePsPjPμPSPPrPsPiP°PSPs
PiCTHPëP·PSP°C†P°C,Pë PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP» C%PsPSP°PNëPjPμPSC€Pμ
P·P° 1 PiPsPrPëPSCf PrPs P°P±Ps C†PμCTHPμP· 3 PiPsPrPëPSPë PiC-CfP»CII PiCTHPëPNëPsPjCf
CfPμPIPIPμP»P°PjPμCTHCf PrP»CII PjC-PSC-PjC-P·P°C†C-C— PIPIP»PëPICf PSP°
P°P±CfPsCTHP±C†C-CH PñPαPñ. P’C-PrCfCfC,PSC- PrP°PSC- PiCTHPs PiP·P°C”PjPsPrC-CH
PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf P· C-PSC€PëPjPë CTHPμC†PsPiPëPSP°PjPë, CIIPeC-
P·PI’CII·CfCTHC,CH C,,PsCfC,,P°C,, PeCTHC-Pj CfPμPIPIPμP»P°PjPμCTHCf.

PŸP°PeCTHPsP»C-PjCfCf. PJ PiP°C†C-C”PSC,C-PI C-P· C,CTHP°PSCfPiP»P°PSC,P°C,PsPj
PiPμC†C-PSPëPë PiCTHPë PsPrPSPsC†P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC-
C,P°PeCTHPsP»C-PjCfCfCf C- PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf PSPμ
PIPëCIIPIP»PμPSPs P·PSP°C†CfC%PsPiPs PIPIP»PëPICf PSP° AUC C,P° PŸ_{max}
PjC-PePsC,,PμPSPsP»PsPiPsC— PePëCfP»PsC,Pë, P°PeC,PëPIPsPSPiPs PjPμC,P°P±PsP»C-C,Cf
PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf. PñCTHPsC,Pμ PIC-PrPsPjPs PiCTHPs
PiC-PrPIPëC%PμPSPSCII AUC C,P°PeCTHPsP»C-PjCfCfCf PiCTHPëP±P»PëP·PSPs PSP° 20% Cf
PiP°C†C-C”PSC,C-PI P· C,CTHP°PSCfPiP»P°PSC,P°C,PsPj PiPμC†C-PSPëPë PiC-CfP»CII
P±P°PiP°C,PsCTHP°P·PsPiPsPiPs PiCTHPëPNëPsPjCf PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf
(1,5 Pi 2 CTHP°P·Pë PSP° PrPsP±Cf, PICCTHP°PSC†C- C- PIPIPIPμC†PμCTHC-), C%Ps P±CfPI
PiCTHPëP·PSP°C†PμPSPëPNë PiP°C†C-C”PSC,P°Pj, CIIPeC- PiCTHPëPNëPjP°CTHC,CH
C,P°PeCTHPsP»C-PjCfCf. PñPrPSP°Pe Cf PiP°C†C-C”PSC,C-PI P· C,CTHP°PSCfPiP»P°PSC,P°C,PsPj
PSPëCTHPëPë PePsPSC†PμPSC,CTHP°C†C-CII C,P°PeCTHPsP»C-PjCfCfCf PSPμ
P·PjC-PSC€PIP°P»P°CfCII PiC-Pr PrC-C”CH PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf
(PrPëPI. CTHPsP·PrC-P» B«PñCfPsP±P»PëPiPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCII»).

P-PëPIC- PIPIP°PeC†PëPSPë. P-PëPIC- PIPIP°PeC†PëPSPë PSPμ CfP»C-Pr PIPIPsPrPëC,Pë
PiP°C†C-C”PSC,P°Pj C-P· PiPsCTHCfC€PμPSPsCf C-PjCfPSPSPsCf PIC-PrPiPsPIC-PrPrCH.
PñPSC,PëC,C-P»PsCfC,PIPsCTHPμPSPSCII Cf PIC-PrPiPsPIC-PrCH PSP° PIPIPIPμPrPμPSPSCII
C-PSC€PëC... PIPIP°PeC†PëPS PjPsP¶Pμ P±CfC,Pë P·PSPëP¶PμPSPμ (PrPëPI. CTHPsP·PrC-P»
B«PñCfPsP±P»PëPiPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCII»).

P”C-C,Pë. PkP°CIIPIPSC- PIC-PrPsPjPsCfC,C- PiCTHPs PiP·P°C”PjPsPrC-C— P»PëC€Pμ Cf
PrPsCTHPsCfP»PëC....

РμPсC,РμPSC†C-РNεPSC- PIP·P°C”PjPsPrC-C—. PhPrPSPсC†P°C†PSPμ
P·P°C†C,PsC†C†P°PSPSC† P†C†PсP±PμPSPμC†PëPrC† C,P° PjC-PePsC,,PμPSPsP»P°C,C†
PjPsC,,PμC,PëP»C† C† PjP°PIP† C†C†P†C†PсPPIPsPrP¶C†PIP°P»PsC†C†
P·P±C-P»CHC€PμPSPSC†Pj AUC PμPαPμP” C† P†P»P°P·PjC- PeC†PсPIC- C† 3 C†P°P·Pë.
PŸP°PePëPj C†PëPSPsPj, C-PSC€C- P»C-PeP°C†C†CHPеC- P·P°C†PsP±Pë, C†PеC-
P†C-PrPrP°C†C,CHC†C†C† PeP°PSP°P»CHC†PμPIC-РNε C†PμPeC†PμC†C-C— C† PSPëC†PeP°C...,
PjPsP¶C†C†,CH PePsPSPeC†C†C†PIP°C,Pë P· PμPαPμP”, C%oPs P†C†PëP·PIPsPrPëC,CH PrPs
P·P±C-P»CHC€PμPSPSC† PePsPSC†PμPSC,C†P°C†C-C— PμPαPμP” P°P±Ps C-PSC€PsPiPs
P†C†PμP†P°C†P°C,C† C† P†P»P°P·PjC- PeC†PсPIC-, C†PеPëPμ C,P°PePsP¶
P†C-PrPrP°C”C,CHC†C†C† PeP°PSP°P»CHC†PμPIC-РNε C†PμPeC†PμC†C-C—.

PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†.

PкPsPIPsC†C,PIPsC†PμPSPSC†

PμP°C†C-C”PSC,Pë, C†PеC- PsC,C†PëPjC†C†C,CH C-PjC†PSPсC†C†P†C†PμC†PсC†PSC-
C†C...PμPjPë P· PePsPjP±C-PSP°C†C-C†PjPë P»C-PeP°C†C†CHPеPëC... P·P°C†PsP±C-PI,
PIPeP»CHC†P°CHC†Pë PjC-PePsC,,PμPSPsP»P°C,C† PjPsC,,PμC,PëP», PjP°CHC,CH
P†C-PrPIPëC%oPμPSPëPμ C†PëP·PëPe C†PсP·PIPëC,PeC† P»C-PjC,,PsPj C,P° C-PSC€PëC...
P·P»PsC†PеC-C†PSPëC... PSPsPIPsC†C,PIPsC†PμPSCH, PsC†PsP±P»PëPIPs C€PeC-C†Pë
(PrPëPI. C†PсP·PrC-P» B«PμPsP±C-C†PSC- C†PμP°PeC†C-C—B»). P PëP·PëPe, C€PIPëPrC€Pμ
P·P° PIC†Pμ, P†PsPI'C†P·P°PSPëPμ P· C-PSC,PμPSC†PëPIPsC-C†C,CH C,P°
C,C†PëPIP°P»C-C†C,CH C-PjC†PSPсC†C†P†C†PμC†C-C—, PSC-P¶ C-P·
P·P°C†C,PsC†C†P°PSPSC†Pj P†PμPIPsPsPiPs P»C-PeP°C†C†CHPеPsPiPs P·P°C†PsP±C†.
P—P°PiP°P»CHPSPсCH C†PμPePsPjPμPSPPrP°C†C-C”CH PrP»C† PjC-PSC-PjC-P·P°C†C-C—
C†PëP·PëPeC† C†PсP·PIPëC,PeC† C†P°PeC† C€PeC-C†Pë C” PsP±PjPμP¶PμPSPSC† PIP†P»PëPIC†
C†PsPSC†C†PSPsPiPs C,P° C†P»CHC,C†P°C,,C-PsP»PμC,PsPIPsPiPs C†PIC-C,P»P°
C€P»C†C...PsPj P·P°C...PëC†PSPsPiPs PsPrC†PiC† C,P° PIPëPePsC†PëC†C,P°PSPSC†
C†PsPSC†PμP·P°C...PëC†PSPëC... P·P°C†PsP±C-PI P· PIPëC†PsPePëPj
PePsPμC,,C-C†C-C”PSC,PsPj P·P°C...PëC†C,C†.

P†PSC,,PμPeC†C-C—

PкP°PrPjC-C†PSP° C†C†P†C†PμC†C-C† C-PjC†PSPSPсC— C†PëC†C,PμPjPë P†C-PrPIPëC%oC†C”
C†C...PëP»CHPSC-C†C,CH PrPs C-PSC,,PμPeC†C-C—, PIPeP»CHC†P°CHC†Pë
PsPiPsC†C,C†PSC-C†C,PëC†PSC- C-PSC,,PμPeC†C-C— (P±P°PeC,PμC†C-P°P»CHPSC-,
P†C†PëP±PePsPIC-, PIC-C†C†C†PSC- C- P†C†PсC,PsP·PsPNεPSC-), P»PμC,P°P»CHPSC-
C-PSC,,PμPeC†C-C— C,P° C†PμP†C†PëC†. P”Ps C,P°PePëC... PsPiPsC†C,C†PSC-C†C,PëC†PSPëC...
C-PSC,,PμPeC†C-РNε PSP°P»PμP¶PëC,CH C†PμP°PeC,PëPIP°C†C-C† P»P°C,PμPSC,PSPсC—
PIC-C†C†C†PSPсC— C-PSC,,PμPeC†C-C—, C,P°PePsC— C†Pе C†PμP°PeC,PëPIP°C†C-C†
PiPμP†P°C,PëC,C† P’ C†Pë C†PμP°PeC,PëPIP°C†C-C† PiPμP†P°C,PëC,C† PŸ, C-PSC,,PμPeC†C-РNε,
C†P†C†PëC†PëPSPμPSPëC... P†PsP»C-PsPjP°PIC-C†C†C†PsPj (P’Pμ-
PIC-C†C†C†P°C†PsC†C-РNεPsPIP°PSP° PSPμC,C†PsPiP°C,C-C† C- P†C†PsPiC†PμC†C†C†P°
PjC†P»CHC,PëC,,PsPeP°P»CHPSP° P»PμPNεPePsPμPSC†PμC,,P°P»PsP†P°C,C-C†,
P°C†PsC†C-РNεPsPIP°PSP° P· PIC-C†C†C†PsPj JC). P’PëC†PIP»PμPSPs PIPëP†P°PrPePë
PiPμP†P°C,PëC,C† PIPSP°C†P»C-PrPsPe C†PμP°PeC,PëPIP°C†C-C— PIC-C†C†C†C-PI
PiPμP†P°C,PëC,C† P’ P°P±Ps PŸ C† P†P°C†C-C”PSC,C-PI-PSPсC†C-C—PI, C†PеC-
PsC,C†PëPjC†PIP°P»Pë C-PjC†PSPsPrPμP†C†P°PSC,Pë. P†C- C-PSC,,PμPeC†C-C—
C†P°C†C,Ps P†PsPI'C†P·P°PSC- P· PIPëC†PsPePsCH C†C†PjP°C†PSPсCH
C-PjC†PSPсC†C†P†C†PμC†C-C”CH C- PjPsP¶C†C,CH P†C†PëP·PIPμC†C,Pë PrPs

CГPмCГPNPsP·PSPëC..., CГ C,PsPjCГ C±PëCГP»C- P»PмC,P°P»CHPSPëC... PSP°CГP»C-PrPeC-PI.
 PjC- P·P°C...PIPsCГCГPIP°PSPSCЦ CГP»C-Pr PICГP°C...PsPICГPIP°C,Pë PiCГPë
 PiCГPsPIPмPrPмPSPSC- PrPëC,,PмCГPмPSCГC-PNPsPSPiPs PrC-P°PiPSPSP·CГ CГ
 PiP°CГC-C"PS,C-PI P· C-PjCГPSPSCГCГPiCГPмCГC-C"CH C- PiPsCГCГCPIPмPSPSCЦPj
 C,,CГPSPëCГC-C— PSPëCГPsPe P°P±Ps P· PSPмPICГPsP»PsPiC-C±PSPëPjPë CГPëPjPiC,PsPjP°PjPë.
 PмC-PePsC,,PмPSPSP»PsPIP° PePëCГP»PsC,P° P·PrC-PNсCГPSCГC"
 CГPëC,PsCГC,P°C,PëC±PSPëPNс PIP°P»PëPI PSP° P'- C- Pÿ-P»C-PjC,,PsCГPëC,Pë, C,PsPjCГ PjPsP¶Pм
 CГPiPsCГC,PмCГC-PiP°C,PëCГCЦ PiPsCГPëP»PмPSPSCЦ C,ЦIP¶PePsCГC,C- COVID-19, C-
 CГP»C-Pr CГPsP·PiP»CЦPSCГC,Pë PIC-PrPiPsPIC-PrPSC- PeP»C-PSC-C±PSC- P·P°C...PsPrPë.
 PмPsPIC-PrPsPjP»CЦP»Pë PiCГPs PiC-PiPsPiP°PjPjP°PiP»PsP±CГP»C-PSPмPjC-CH PiCГPë
 CГPмCГPëPrPëPICГCГC±PëC... C-PSC,,PмPeCГC-CЦC... CГ PiP°CГC-C"PS,C-PI, ЦIPëC-
 PsC,CГPëPjCГCГC,CH PjC-PePsC,,PмPSPSP»P°C,CГ PjPsC,,PмC,PëP» CГ PiPsC"PrPSP°PSPSC- P·
 C-PSCëPëPjPë C-PjCГPSPSCГCГPiCГPмCГP°PSC,P°PjPë. P' PrPмCЦIPëPëC... PIPëPiP°PrPeP°C...
 PiPмCГPмPIPмPrPмPSPSCЦ P· PjC-PePsC,,PмPSPSP»P°C,CГ PjPsC,,PмC,PëP»CГ PSP°
 P°P»CHC,PмCГPSP°C,PëPIPSPëPNс C-PjCГPSPSCГCГPiCГPмCГP°PSC, PiCГPëP·PIPsPrPëP»Ps PrPs
 PSPSCГPjP°P»C-P·P°CГC-C— PiP»P°P·PjPsPIPëC... CГC-PIPS-C-PI IgG. Pj PiP°CГC-C"PS,C-PI
 C-P· CГPмCГPëPrPëPICГCГC±PëPjPë C-PSC,,PмPeCГC-CЦPjPë, ЦIPëC-
 P·P°CГC,PsCГCГPICГCГC,CH PjC-PePsC,,PмPSPSP»P°C,CГ PjPsC,,PмC,PëP»,
 PSPмPsP±C...C-PrPSPs PePsPSC,CГPsP»CHPIP°C,Pë PiP»P°P·PjPsPIC- CГC-PIPS-C-
 C-PjCГPSPSPiP»PsP±CГP»C-PSC-PI. Pj PIPëPiP°PrPeP°C... C,CГPëPIP°P»PëC...,
 PeP»C-PSC-C±PSPs P·PSP°C±CГC%PëC... PiC-PiPsPiP°PjPjP°PiP»PsP±CГP»C-PSPмPjC-PNс
 CГP»C-Pr CГPsP·PiP»CЦIPrP°C,Pë PrC-C— PIPiCГPsPIP°PrP¶PмPSPSCЦ
 PIC-PrPiPsPIC-PrPSPëC... C,PмCГP°PiPмPIC,PëC±PSPëC... P·P°C...PsPrC-PI P·
 CГCГP°C...CГPIP°PSPSCЦPj PiPsC,CГP¶PSPëC... CГPëC,PsCГC,P°C,PëC±PSPëC... PмC,,PмPeC,C-PI,
 ЦIPëC- PjP°C" PjC-PePsC,,PмPSPSP»PsPIP° PePëCГP»PsC,P° PSP° Pÿ- C- P'-P»C-PjC,,PsCГPëC,Pë.

PмPsPIC-PrPsPjP»CЦP»Pë PiCГPs P±CГPsPSC...PsPмPeC,P°P·Pë CГ PrPsCГPsCГP»PëC... C-
 PrC-C,PмPNс, ЦIPëC- PsC,CГPëPjCГPIP°P»Pë PjC-PePsC,,PмPSPSP»P°C,CГ PjPsC,,PмC,PëP»
 PsPrPSPSC±P°CГPSPs P· C-PSCëPëPjPë C-PjCГPSPSCГCГPiCГPмCГP°PSC,P°PjPë. Pj
 PrPмCЦIPëPëC... PIPëPiP°PrPeP°C... PiPмCГPмPIPмPrPмPSPSCЦ P· C,PмCГP°PiC-C—
 PjC-PePsC,,PмPSPSP»P°C,CГ PjPsC,,PмC,PëP»PsPj PSP° C-PSCëPëPNс
 C-PjCГPSPSCГCГPiCГPмCГP°PSC, PiCГPëP·PIPsPrPëP»Ps PrPs PiPsP»C-PiCPIPмPSPSCЦ
 CГPмCГPiC-CГP°C,PsCГPSPëC... CГPëPjPiC,PsPjC-PI. P PëP·PëPe P±CГPsPSC...PsPмPeC,P°P·C-PI
 PjPsP¶Pм P±CГC,Pë PiPsPI'ЦIP·P°PSPëPNс P· PiC-PiPsPiP°PjPjP°PiP»PsP±CГP»C-PSPмPjC-C"CH
 P°P±Ps PiCГCЦIPjPëPj PIP°P»PëPIPsPj PSP° P»PмPiPмPSC-. PÿP°PePsP¶ PiPsPIC-PrPsPjP»CЦP»Pë
 PiCГPs PsPeCГPмPjC- PIPëPiP°PrPePë C-PSC,PмCГCГC,PëCГC-P°P»CHPSPSPiPs
 P·P°C...PIPsCГCГPIP°PSPSCЦ P»PмPiPмPSCГ C- P»PмPiPмPSPмPIPëPNс C,,C-P±CГPsP·,
 PrPмCЦIPëC- P· PSPëC... P±CГP»Pë P»PмC,P°P»CHPSPëPjPë (PrPëPI. CГPsP·PrC-P»
 B«PмPsP±C-C±PSC- CГPмP°PeCГC-C-B»). P PмPePsPjPмPSPrCГC"CHCГCЦ
 PsP±CГC,PмP¶CГPIP°C,Pë PiP°CГC-C"PS,C-PI P·C- CГC,C-PNсPePëPjPë P»PмPiPмPSPмPIPëPjPë
 CГPëPjPiC,PsPjP°PjPë, C,P°PePëPjPë CЦPe PeP°CPIPмP»CH C- P·P°PrPëCPIP°P.

PмCГPsPI C,P° C-PjC±PSPSP° CГPëCГC,PмPjP°

PмP°CГC-C"PS,C,Pë, ЦIPëC- PsC,CГPëPjCГCГC,CH PjC-PePsC,,PмPSPSP»P°C,CГ PjPsC,,PмC,PëP»,
 PiPsC,CГPмP±CГCГC,CH CГPiPsCГC,PмCГPмP¶PмPSPSCЦ C%PsPrPs
 PSPмPNс,CГPsPiPмPSC-C—, ЦIPëP° PjPsP¶Pм P±CГC,Pë PiPsPI'ЦIP·P°PSP° PIP°P°CГPSPм P·
 C,PмCГP°PiC-C"CH PiCГPмPiP°CГP°C,PsPj PмC-C,,PмPSP°PeCГ^{B°}, CГCГPiCГC,PSC-Pj
 P·P°CГC,PsCГCГPIP°PSPSCЦPj C-PSCëPëC... P»C-PeP°CГCГCHPePëC... P·P°CГPsP±C-PI, C-P·
 PIC-CГCГCГPSPëPjPë C-PSC,,PмPeCГC-CЦPjPë P°P±Ps P· PiPsC"PrPSP°PSPSCЦPj CГPëC...
 C,,P°PeC,PsCГC-PI. PмP°CГC-C"PS,C,P°Pj, ЦIPëC- PiCГPëPNсPjP°CГC,CH

PjC-PePsC,,PμPSPsP»P°C, Cr PjPsC,,PμC, PëP», CÍP»C-Pr PíCḡPsPIPsPrPëC, Pë
P·P°PiP°P»CHbPSPëPNë P°PSP°P»C-P· PeCḡPsPIC- 1 CḡP°P· PSP° C, PëP¶PrPμPSCḡ
PíCḡPsC, CÍPiPsPj PíPμCḡCëPsPiPs PjC-CÍCÍC†CÍ, 2 CḡP°P·Pë PSP° PjC-CÍCÍC†Cḡ
PíCḡPsC, CÍPiPsPj PrCḡCrPiPsPiPs C, P° C, CḡPμC, CHbPsPiPs PjC-CÍCÍC†C-PI
P»C-PeCíPIP°PSPSCÍ, PíPsC, C-Pj 1 CḡP°P· PSP° PjC-CÍCÍC†Cḡ PíCḡPsC, CÍPiPsPj
PíPμCḡCëPsPiPs CḡPsPeCí. Pj CḡP°P·C- CḡPsP·PIPëC, PeCí PSPμPNëC, CḡPsPíPμPSC-C—
(P°P±CÍPsP»CḡC, PSP° PeC-P»CHbPeC-CÍC, CHb PSPμPNëC, CḡPsC,,C-P»C-PI <1,3×10³/PjPeP»)
PjPsP¶Pμ P±CíC, Pë PrPsC†C-P»CHbPSPëPj PíPμCḡPμCḡPIP°C, Pë P»C-PeCíPIP°PSPSCÍ P°P±Ps
PIC-PrPjC-PSPëC, Pë PḡC-C,,PμPSP°PeCÍ^{B®}.

P'C-PrPsPjC- PIPëPíP°PrPePë C-CÍC, PëPSPSPsC— PμCḡPëC, CḡPsC†PëC, P°CḡPSPsC—
P°PiP»P°P·C-C— Cr PíP°C†C-C" PSC, C-PI, CÍPePëPj PíCḡPsPIPsPrPëP»PsCÍCÍ
P»C-PeCíPIP°PSPSCÍ PjC-PePsC,,PμPSPsP»P°C, Cr PjPsC,,PμC, PëP»PsPj Cr
PePsPjP±C-PSP°C†C-C— P· C-PSCëPëPjPë C-PjCíPSPsCÍCíPíCḡPμCÍP°PSC, P°PjPë.
PḡPμC...P°PSC-P·Pj PIPëPSPëPePSPμPSPSCÍ C-CÍC, PëPSPSPsC—
PμCḡPëC, CḡPsC†PëC, P°CḡPSPsC— P°PiP»P°P·C-C— PíCḡPë P·P°CÍC, PsCÍCíPIP°PSPSC-
PjC-PePsC,,PμPSPsP»P°C, Cr PjPsC,,PμC, PëP»Cí PSPμPIC-PrPsPjPëPNë. P†CÍC, PëPSPSP°
PμCḡPëC, CḡPsC†PëC, P°CḡPSP° P°PiP»P°P·C-CÍ PjPsP¶Pμ P±CíC, Pë PsP±PsCḡPsC, PSPsCḡ
PíCḡPë P·PSPëP¶PμPSPSC- PrPsP·Pë P°P±Ps PíCḡPëPíPëPSPμPSPSC- P»C-PeCíPIP°PSPSCÍ
PjC-PePsC,,PμPSPsP»P°C, Cr PjPsC,,PμC, PëP»PsPj. P—PjC-PSPë PrPs C, PμCḡP°PíC-C—
PjC-PePsC,,PμPSPsP»P°C, Cr PjPsC,,PμC, PëP»PsPj CÍP»C-Pr PIPSPsCÍPëC, Pë P»PëCëPμ PíC-Pr
PIC-PrPíPsPIC-PrPSPëPj PSP°PiP»CÍPrPsPj PrP»CÍ PjC-PSC-PjC-P·P°C†C-C— CḡPëP·PëPeCí
PIC-PrC, PsCḡPiPSPμPSPSCÍ C, CḡP°PSCÍPíP»P°PSC, P°C, P° (PrPëPI. CḡPsP·PrC-P»
B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C-B»).

PμP°C†C-C" PSC, Pë, CÍPeC- PíCḡPëPNëPjP°CḡC, CHb PjC-PePsC,,PμPSPsP»P°C, Cr PjPsC,,PμC, PëP»,
PíPsPIPëPSPSC- PSPμPiP°PNëPSPs PíPsPIC-PrPsPjP»CÍC, Pë PíCḡPs P±CíPrCHb-CÍPeC-
C-PSC,,PμPeC†C-C—, CḡP°PíC, PsPIPμ PIPëPSPëPePSPμPSPSCÍ CÍPëPSC†C-PI,
PeCḡPsPIPsC, PμC†C- P°P±Ps P±CíPrCHb-CÍPeC- C-PSCëC- PíCḡPsCÍPIPë
PSPμPrPsCÍC, P°C, PSPsCÍC, C- PeC-CÍC, PePsPIPsPiPs PjPsP·PeCí.

PμP°C†C-C" PSC, P°Pj CÍP»C-Pr PíPsPIC-PrPsPjPëC, Pë, C%oPs PíC-Pr C†P°CÍ
P»C-PeCíPIP°PSPSCÍ PíCḡPμPíP°CḡP°C, PsPj PIP°PeC†PëPSP°C†C-C— PjPsP¶CíC, CHb P±CíC, Pë
PjPμPSCë PμC,,PμPeC, PëPIPSPëPjPë, C- CÍP»C-Pr CíPSPëPeP°C, Pë P·P°CÍC, PsCÍCíPIP°PSPSCÍ
P¶PëPIPëC... PsCÍP»P°P±P»PμPSPëC... PIP°PeC†PëPS (PrPëPI. CḡPsP·PrC-P»
B«P·P·P°C" PjPsPrC-CÍ P· C-PSCëPëPjPë P»C-PeP°CḡCíCHbPePëPjPë P·P°CÍPsP±P°PjPë C, P°
C-PSCëC- PIPëPrPë PIP·P°C" PjPsPrC-PNëB»). PμCḡPsC, Pμ PIP°PeC†PëPSP°C†C-CÍ PIC-Pr
PíCḡPëPíCí PjPsP¶Pμ P±CíC, Pë PíCḡPsPIPμPrPμPSP°. P»C-PeP°CḡC- PíPsPIPëPSPSC-
PrPsC, CḡPëPjCíPIP°C, PëCÍCÍ PrPμCḡP¶P°PIPSPëC... PSPsCḡPjP°C, PëPIC-PI C%oPsPrPs
PIP°PeC†PëPSP°C†C-C— PIC-Pr PíCḡPëPíCí.

PjCḡP°PIPSP° CÍPëCÍC, PμPjP°

P—P°CÍC, PsCÍCíPIP°PSPSCÍ PjC-PePsC,,PμPSPsP»P°C, Cr PjPsC,,PμC, PëP»Cí
P°CÍPsC†C-PNëPsPIP°PSPμ P· PíC-PrPIPëC%oPμPSPsCḡ C†P°CÍC, PsC, PsCḡ
PIPëPSPëPePSPμPSPSCÍ PíPsP±C-C†PSPëC... CÍPIPëC%o P· P±PsPeCí C, CḡP°PIPSPsC—
CÍPëCÍC, PμPjPë, PíPeP»CḡC†P°CḡC†Pë CḡC-PrPeC-CÍPSC- PIPëPíP°PrPePë
PIPëCḡP°P·PePsCíC, PíPsCḡPμPSPSCÍ, PeCḡPsPIPsC, PμC†C- C, P° PíPμCḡC,,PsCḡP°C†C-C—
CëP»CíPSPePsPIPs-PePëCëPePsPIPsPiPs C, CḡP°PeC, Cí. PḡC-PePsC,,PμPSPsP»P°C, Cr
PjPsC,,PμC, PëP» CÍP»C-Pr PíCḡPëP·PSP°C†P°C, Pë P· PsP±PμCḡPμP¶PSC-CÍC, Cḡ
PíP°C†C-C" PSC, P°Pj C-P· CÍPμCḡPNëPsP·PSPëPjPë P·P°C...PIPsCḡCḡPIP°PSPSCÍPj
C, CḡP°PIPSPsC— CÍPëCÍC, PμPjPë Cí CÍC, P°PrC-C— P·P°PiPsCÍC, CḡPμPSPSCÍ.

C,PeP°PSPëPSPSP° C†PëC,PsPjPµPiP°P»PsPIC-CḡCḡCḡPSP° C...PIPsCḡPsP±P°),
PiP°CḡC,CḡPsC-PSC,PµCḡC,PëPSP°P»CHḡPSC- PeCḡPsPIPsC,PµC†C- C,P° PSP°P±CḡCḡPe
P»PµPiPµPSCḡ (PrPëPI. CḡPsP·PrC-P» B«PµPsP±C-C†PSC- CḡPµP°PeC†C-C—B»).

PḡPµCḡP°C,PsPiPµPSPSPëPNḡ PµC,,PµPeC,

PḡC-PePsC,,PµPSPsP»P°C,Cḡ PjPsC,,PµC,PëP» C” PiPsC,CḡPḡPSPëPj C,PµCḡP°C,PsPiPµPSPSPëPj
C,,P°PeC,PsCḡPsPj. PµC-CḡP»Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PjC-PePsC,,PµPSPsP»P°C,Cḡ
PjPsC,,PµC,PëP»Cḡ Cḡ PiPµCḡC-PsPr PIP°PiC-C,PSPsCḡC,C- PiPsPIC-PrPsPjP»CḡP»Pë PiCḡPs
CḡPiPsPSC,P°PSPSC- P°P±PsCḡC,Pë (P· C†P°CḡC,PsC,PsCḡ 45-49%) C,P° PICḡPsPrPḡPµPSC-
PIP°PrPë CḡPsP·PIPëC,PeCḡ (P· C†P°CḡC,PsC,PsCḡ 23-27%). PḡPsPjCḡ
PjC-PePsC,,PµPSPsP»P°C,Cḡ PjPsC,,PµC,PëP» PiCḡPsC,PëPiPsPeP°P·P°PSPs
P·P°CḡC,PsCḡPsPICḡPIP°C,Pë Cḡ PiPµCḡC-PsPr PIP°PiC-C,PSPsCḡC,C-, PsPeCḡC-Pj
PIPëPiP°PrPeC-PI, PePsP»Pë P°P»CHḡC,PµCḡPSP°C,PëPIPSµ P»C-PeCḡPIP°PSPSCḡ
PIC-PrC,PsCḡPiPSPµPSPSCḡ C,CḡP°PSCḡPiP»P°PSC,P°C,Cḡ PIC-PrCḡCḡC,PSC”.

P-C-PSPePë C- C†PsP»PsPIC-PePë CḡPµPiCḡPsPrCḡPeC,PëPIPSµPiPs PIC-PeCḡ PjP°CḡC,CH
P±CḡC,Pë PiCḡPsC-PSC,,PsCḡPjPsPIP°PSC- PiCḡPs PiPsC,PµPSC†C-PNḡPSC- CḡPëP·PëPePë C,P°
CḡP»C-PrCḡPIP°C,Pë CḡPµPePsPjPµPSPPrP°C†C-CḡPj, PIPëPeP»P°PrPµPSPëPj Cḡ CḡPsP·PrC-P»C-
B«P—P°CḡC,PsCḡCḡPIP°PSPSCḡ Cḡ PiPµCḡC-PsPr PIP°PiC-C,PSPsCḡC,C- P°P±Ps
PiPsPrCḡPIP°PSPSCḡ PiCḡCḡPrPrCḡB» (PI C,PsPjCḡ C†PëCḡP»C- P·P°CḡC,PsCḡPsPICḡPIP°C,Pë
PµC,,PµPeC,PëPIPSC- PjPµC,PsPrPë PePsPSC,CḡP°C†PµPiC†C-C— C,P° CḡPsP±PëC,Pë C,PµCḡC,
PSP° PIP°PiC-C,PSC-CḡC,CH) PrPs, PiC-Pr C†P°Cḡ C,P° PiC-CḡP»Cḡ P»C-PeCḡPIP°PSPSCḡ.
P»C-PeP°CḡCḡ CḡP»C-Pr CḡPiPµPIPSPëC,PëCḡCḡ, CḡPs PḡC-PSPePë C- C†PsP»PsPIC-PePë,
CḡPeC- P·P°CḡC,PsCḡPsPICḡCḡC,CH PjC-PePsC,,PµPSPsP»P°C,Cḡ PjPsC,,PµC,PëP»,
CḡCḡPIC-PrPsPjP»CḡCḡC,CH CḡPëP·PëPe PSPµPiP°C,PëPIPSµPiPs PIPiP»PëPICḡ PSP° PiP»C-Pr
C,P° CḡPsP·CḡPjC-CḡC,CH PSPµPsP±C...C-PrPSC-CḡC,CH P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
PµC,,PµPeC,PëPIPSPëC... PjPµC,PsPrC-PI PePsPSC,CḡP°C†PµPiC†C-C— C,P° PSPµPiP°PNḡPSPsC—
PePsPSCḡCḡP»CHḡC,P°C†C-C— P· P»C-PeP°CḡPµPj Cḡ CḡP°P·C- PjPsPḡP»PëPIPsC—
PIP°PiC-C,PSPsCḡC,C-.

*PḡPsPSC,CḡP°C†PµPiC†C-Cḡ (PrPëPI. CḡPsP·PrC-P» B«P—P°CḡC,PsCḡCḡPIP°PSPSCḡ Cḡ
PiPµCḡC-PsPr PIP°PiC-C,PSPsCḡC,C- P°P±Ps PiPsPrCḡPIP°PSPSCḡ PiCḡCḡPrPrCḡB»)*

P— PsPiP»CḡPrCḡ PSP° PSP°PrC-PNḡPSC- PeP»C-PSC-C†PSC- PrPsPeP°P·Pë, CḡPs
CḡPIC-PrCḡP°C,CH PiCḡPs PIPëCḡPsPePëPNḡ CḡPëP·PëPe PIPëPePëPrPSC-PI C,P°
PICḡPsPrPḡPµPSPëC... PIP°Pr CḡPsP·PIPëC,PeCḡ Cḡ PIPëPiP°PrPeCḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
PjC-PePsC,,PµPSPsP»P°C,Cḡ PjPsC,,PµC,PëP»Cḡ Cḡ PiPµCḡC-PsPr PIP°PiC-C,PSPsCḡC,C-,
CḡP»C-Pr PIPḡPëPIP°C,Pë PICḡC-C... P·P°C...PsPrC-PI PrP»Cḡ CḡPSPëPePSPµPSPSCḡ
PIP°PiC-C,PSPsCḡC,C- PiC-Pr C†P°Cḡ P»C-PeCḡPIP°PSPSCḡ, C,PsPjCḡ PḡC-PSPeP°Pj
CḡPµPiCḡPsPrCḡPeC,PëPIPSµPiPs PIC-PeCḡ CḡP»C-Pr P·P°CḡC,PsCḡPsPICḡPIP°C,Pë
PiCḡPëPSP°PNḡPjPSC- 1 PSP°PrC-PNḡPSPëPNḡ PjPµC,PsPr PePsPSC,CḡP°C†PµPiC†C-C— PrPs
PiPsC†P°C,PeCḡ P»C-PeCḡPIP°PSPSCḡ PiCḡPµPiP°CḡP°C,PsPj, PiC-Pr C†P°Cḡ
P»C-PeCḡPIP°PSPSCḡ C,P° PiCḡPsC,CḡPiPsPj 6 C,PëPḡPSC-PI PiC-CḡP»Cḡ
PiCḡPëPiPëPSPµPSPSCḡ C,PµCḡP°PiC-C—, P°P±Ps CḡPe PjPµC,PsPr
PePsPSC,CḡP°C†PµPiC†C-C— PsP±CḡP°C,Pë CḡC,CḡPëPjP°PSPSCḡ PIC-Pr CḡC,P°C,PµPIPëC...
PePsPSC,P°PeC,C-PI (PrPëPI. CḡPsP·PrC-P» B«P·P·P°C”PjPsPrC-Cḡ P· C-PSCëPëPjPë
P»C-PeP°CḡCḡPePëPjPë P·P°CḡPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C”PjPsPrC-PNḡB»).

P·C-PrPrP°C”C,CHCḡCḡ PiPµCḡPµPIP°PiP° PsPrPSPsC†P°CḡPSPsPjCḡ
P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PrPIPsC... PIP·P°C”PjPsPrPsPiPsPIPSḡCḡC†PëC...
CḡPiPsCḡPsP±C-PI PePsPSC,CḡP°C†PµPiC†C-C— PrP»Cḡ PjC-PSC-PjC-P·P°C†C-C—
PIPëPiP°PrPeC-PI PSPµPµC,,PµPeC,PëPIPSµCḡC,C- PePsPSC,CḡP°C†PµPiC†C-C— C,P°

PSPμP±P°P¶P°PSPsC— PIP°PiC-C,PSPsCfC,C-.

P°PsPrP°C,PePsPIC- P·P°CfC,PμCfPμP¶PμPSPSCf

PμP°C†C-C°PSC,P°Pj PSPμ CfP»C-Pr PIPëCfC,CrPiP°C,Pë PI C¶PePsCfC,C- PrPsPSPsCfC-PI PeCfPSPIC- PiC-Pr C‡P°Cf C,PμCfP°PiC-C— C,P° PiCfPSC,C¶PiPsPj C°PSPSP°PNëPjPμPSCëPμ 6 C,PëP¶PSC-PI PiC-CfP»C¶ C—C— PiCfPëPiPëPSPμPSPSCf. P§PsP»PsPIC-PeP°Pj PSPμ CfP»C-Pr PIPëCfC,CrPiP°C,Pë PI C¶PePsCfC,C- PrPsPSPsCfC-PI CfPiPμCfPjPë PiC-Pr C‡P°Cf C,PμCfP°PiC-C— C,P° PiCfPSC,C¶PiPsPj 90 PrPSC-PI PiC-CfP»C¶ C—C— PiCfPëPiPëPSPμPSPSCf.

P°PsPiPsPjC-P¶PSC- CfPμC‡PsPIPëPSPë: C†PμPNë P»C-PeP°CfCfCHPePëPNë P·P°CfC-P± PjC-CfC,PëC,CH PjPμPSCëPμ 1 PjPjPsP»CH (23 PjPi) PSP°C,CfC-CH PI 1 PeP°PiCfCfP»C-, C,PsP±C,Ps PiCfP°PeC,PëC‡PSPs PIC-P»CHPSPëPNë PIC-Pr PSP°C,CfC-CH.

PjC,PëP»C-P·P°C†C-C¶ PSPμPIPëPePsCfPëCfC,P°PSPsPiPs PiCfPμPiP°CfP°C,Cé C,P° PiCfPμPiP°CfP°C,Cé C-P· PiCfPSCfC,CfPSC‡PμPSPëPj C,PμCfPjC-PSPsPj PiCfPëPrP°C,PSPsCfC,C-: PSP°PrC...PsPrP¶PμPSPSCf P»C-PeP°CfCfCHPePsPiPs P·P°CfPSP±Cf Cr P·PsPIPSC-CëPSC° CfPμCfPμPrPsPIPëC°Pμ PSPμPsP±C...C-PrPSPs P·PIPμCfC,Pë PrPs PjC-PSC-PjCrPjCr. P>C-PeP°CfCfCHPePëPNë P·P°CfC-P± PSPμ CfP»C-Pr PIPëPePëPrP°C,Pë Cr CfC,C-C‡PSC- PIPsPrPë C- C¶Pe PiPsP±CfC,PsPIC- PIC-PrC...PsPrPë. P°P»C¶ CrC,PëP»C-P·P°C†C-C— PSPμPsP±C...C-PrPSPs PIPëPePsCfPëCfC,PsPICfPIP°C,Pë C,P°Pe P·PIP°PSCr B<CfPëCfC,PμPjCr P·P±PsCfCr PIC-PrC...PsPrC-PIB» PiCfPë PSP°C¶PIPSPsCfC,C- C,P°PePsC—.

P—P°CfC,PsCfCfPIP°PSPSCf Cr PiPμCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrCfPIP°PSPSCf PiCfCrPrPrCH.

P-C-PSPePë CfPμPiCfPsPrCéPeC,PëPIPSPsPiPs PIC-PeCé

PŸP»C-Pr CrPSPëPeP°C,Pë PIP°PiC-C,PSPsCfC,C- Cr PiPμCfC-PsPr PiCfPëPNëPsPjCr PjC-PePsC,,PμPSPsP»P°C,Cr PjPsC,,PμC,PëP»Cr. PŸPsPjCr P¶C-PSPePë CfPμPiCfPsPrCrPeC,PëPIPSPsPiPs PIC-PeCr PiPsPIPëPSPSC- PIPëPePsCfPëCfC,PsPICfPIP°C,Pë PiCfPëPSP°PNëPjPSC- 1 PSP°PrC-PNëPSPëPNë PjPμC,PsPr PePsPSC,CfP°C†PμPiC†C-C— (PrPëPI. CfPSP·PrC-P» B<PμCfPSC,PëPiPsPeP°P·P°PSPSCfB») PiPμCfPμPr PiPsC‡P°C,PePsPj C,PμCfP°PiC-C— PjC-PePsC,,PμPSPsP»P°C,Cr PjPsC,,PμC,PëP»PsPj, PiC-Pr C‡P°Cf C,PμCfP°PiC-C— C,P° PiCfPSC,C¶PiPsPj 6 C,PëP¶PSC-PI PiC-CfP»C¶ PiCfPëPiPëPSPμPSPSCf C,PμCfP°PiC-C—, P·P° PIPëPSCfC,PePsPj PIPëPiP°PrPeC-PI, PePsP»Pë CrC,CfPëPjP°PSPSCf PIC-Pr CfC,P°C,PμPIPëC... PePsPSC,P°PeC,C-PI C° PsP±CfP°PSPëPj PjPμC,PsPrPsPj PePsPSC,CfP°C†PμPiC†C-C—. P'C-PrPrP°C°C,CHCfC¶ PiPμCfPμPIP°PiP° PsPrPSPsC‡P°CfPSPsPjCr P·P°CfC,PsCfCfPIP°PSPSCH PrPIPsC... PIP·P°C°PjPsPrPsPiPsPIPSCfCHC‡PëC... CfPiPsCfPsP±C-PI PePsPSC,CfP°C†PμPiC†C-C—.

P°P°PiC-C,PSC-CfC,CH

PHC-PePsC,,PμPSPsP»P°C,Cr PjPsC,,PμC,PëP» PiCfPSC,PëPiPsPeP°P·P°PSPs P·P°CfC,PsCfPsPICfPIP°C,Pë Cr PiPμCfC-PsPr PIP°PiC-C,PSPsCfC,C-, PsPeCfC-Pj PIPëPiP°PrPeC-PI, PePsP»Pë P°P»CHC,PμCfPSP°C,PëPIPSPμ P»C-PeCrPIP°PSPSCf PIC-PrC,PsCfPiPSPμPSPSCf C,CfP°PSCfPiP»P°PSC,P°C,Cr PIC-PrCfCfC,PSC°. PŸPμCfP°PiC-CH PiCfPμPiP°CfP°C,PsPj PSPμ CfPμPePsPjPμPSPrPsPIP°PSPs CfPSP·PiPsC‡PëPSP°C,Pë, PiPsPePë PSPμ PsC,CfPëPjP°PSPs PSPμPiP°C,PëPIPSPsPiPs

P'CTḡPsPrPḡPμPSC- PIP°PrPë CTḡPsP·PIPëC,PeCf, PIPeP»CTḡC†P°CTḡC†Pë
PīPsPIC-PrPsPjP»PμPSPSCḡ PīCTḡPs PjPSPsPḡPëPSPSC- PIP°PrPë CTḡPsP·PIPëC,PeCf,
CfPīPsCfC,PμCTḡC-PiP°P»PëCfCḡ Cf PīC-CfP»CḡCTḡPμC"CTC,CTḡP°C†C-PN°PSPëPN°
PīPμCTḡC-PsPr Cf PrC-C,PμPN° PīP°C†C-C"PSC,PsPe, CḡPeC- P·P°P·PSP°P»Pë PIPiP»PëPICf
PjC-PePsC,,PμPSPsP»P°C,Cf PjPsC,,PμC,PëP»Cf Cf PePsPjP±C-PSP°C†C-C— P· C-PSCëPëPjPë
C-PjCfPSPsCfCfPīCTḡPμCfP°PSC,P°PjPë Cf PīPμCTḡC-PsPr PIP°PiC-C,PSPsCfC,C-.
PḡP°PN°C†P°CfC,C-CëPμ PīPsPIC-PrPsPjP»CḡP»Pë PīCTḡPs C,P°PeC- PICḡPsPrPḡPμPSC-
PIP°PrPë:

– P°PSPsPjP°P»C-C— PICfC...P° (PSP°PīCTḡPëPeP»P°Pr, P°PSPsPjP°P»CHBPSPs
CfC,,PsCTḡPjPsPIP°PSPμ P°P±Ps PIC-PrCfCfC,PSC" P·PsPIPSC-CëPSC"/CfPμCTḡPμPrPSC"
PICfC...Ps), P°C,CTḡPμP·C-Cḡ P·PsPIPSC-CëPSCḡPsPiPs CfP»CfC...PsPiPsPīPs PīCTḡPsC...PsPrCf;

– PICḡPsPrPḡPμPSP° PIP°PrP° CfPμCTḡC†Cḡ, PSP°PīCTḡPëPeP»P°Pr, PrPμC,,PμPeC,Pë
PjC-PḡPīPμCTḡPμPrCfPμCTḡPrPSPsC— C- PjC-PḡCëP»CfPSPsC†PePsPiPsC—
PīPμCTḡPμPiPsCTḡPsPrPePë;

– PICḡPsPrPḡPμPSP° PIP°PrP° PsP±P»PëC†Cḡ, PSP°PīCTḡPëPeP»P°Pr,
CTḡPsP·C%PμPīP»PμPSPSCḡ PīCfP±Pë, CTḡPsP·C%PμPīP»PμPSPSCḡ PīC-PrPSPμP±C-PSPSCḡ,
PjC-PeCTḡPsPiPSP°C,C-Cḡ C- PīC-PīPμCTḡC,PμP»PsCTḡPëP·Pj PsCTḡP±C-C,;

– B P°PSPsPjP°P»C-C— PsPeP° (PSP°PīCTḡPëPeP»P°Pr, PePsP»PsP±PsPjP°);

– PICḡPsPrPḡPμPSC- PIP°PrPë PīP°P»CHC†C-PI (PSP°PīCTḡPëPeP»P°Pr,
PīPsP»C-PrP°PeC,PëP»C-Cḡ, CfPëPSPPrP°PeC,PëP»C-Cḡ);

– C,CTḡP°C...PμPs-PμP·PsC,,P°PiPμP°P»CHBPSC- PICḡPsPrPḡPμPSC- PIP°PrPë
(PSP°PīCTḡPëPeP»P°Pr, P°C,CTḡPμP·C-Cḡ CfC,CTḡP°PiPsC...PsPrCf);

– PICḡPsPrPḡPμPSC- PIP°PrPë PSPμCTḡPiPsPiPsC— CfPëCfC,PμPjPë, C,P°PeC- CḡPe
PSPμP·CTḡPsC%PμPSPSCḡ PrCfPi C...CTḡPμP±C†C-PI;

– P°PSPsPjP°P»C-C— PSPëCTḡPsPe.

PḡCTḡC-Pj C,PsPiPs, P±CfP»Pë PsC,CTḡPëPjP°PSC- PsPeCTḡPμPjC- PīPsPIC-PrPsPjP»PμPSPSCḡ
PīCTḡPs C,P°PeC- PICḡPsPrPḡPμPSC- PIP°PrPë:

– PjC-PeCTḡPsC,,C,P°P»CHBPjC-Cḡ;

– PICḡPsPrPḡPμPSP° PeC-CfC,P° CfCfPrPëPSPSPëC... CfPīP»PμC,C-PSCHḡ;

– P°PiPμPSPμP· PīCTḡPsP·PsCTḡPsC— PīPμCTḡPμPiPsCTḡPsPrPePë;

– P°PiPμPSPμP· PSCḡC...PsPiPsPiPs PSPμCTḡPIP°.

Pj C...PsPrC- PrPsCfP»C-PrPḡPμPSCḡ PSP° C,PIP°CTḡPëPSP°C... PjC-PePsC,,PμPSPsP»P°C,Cf
PjPsC,,PμC,PëP» CfPīCTḡPëC†PëPSCḡPI CTḡPμPīCTḡPsPrCfPeC,PëPiPSCf
C,PsPeCfPëC†PSC-CfC,CHḡ.

P"PsPrCfPIP°PSPSCḡ PīCTḡCfPrPrCHḡ

PḡP±PjPμPḡPμPSC- PrP°PSC- PrPμPjPsPSCfC,CTḡCfCHC,CHḡ, C%Ps PjC-PePsC,,PμPSPsP»PsPIP°
PePëCfP»PsC,P° PīCTḡPsPSPëPeP°C" Cf PīCTḡCfPrPSPμ PjPsP»PsPePs P»CHPrPëPSPë.

P— PsPiP»CЇPrCf PSp° C—PjPsPIC—CЇPSC—CfC,CH PIPëPSPëPePSPµPSPSCЇ
CfPµCЇPNëPsP·PSPëC... PiPsP±C—C±PSPëC... CЇPµP°PeC†C—PNë PSp° PjC—PePsC,,PµPSPsP»PsPICf
PePëCfP»PsC,Cf Cf PrC—C,PµPNë, CЇPeC— P·PSP°C...PsPrCЇC,CHCfCЇ PSp° PiCЇCfPrPSPsPjCf
PIPëPiPsPrPsPICfPIP°PSPSC—, C†PµPNë P»C—PeP°CЇCfCHPePëPNë P·P°CfC—P±
PiCЇPSc,PëPiPsPeP°P·P°PSPs P·P°CfC,PScfPsPICfPIP°C,Pë Cf PiPµCЇC—PsPr
PiPsPrCfPIP°PSPSCЇ PiCЇCfPrPrCЇ (PrPëPI. CЇPsP·PrC—P»
B«PµCЇPsC,PëPiPsPeP°P·P°PSPSCЇB»).

P§PsP»PsPIC—PePë

PħP±PjPµP¶PµPSC— PeP»C—PSC—C±PSC— PrP°PSC— PSpµ CfPIC—PrC±P°C,CH PiCЇPs
PiC—PrPIPëC%oPµPSPëPNë CЇPëP·PëPe PIPëPSPëPePSPµPSPSCЇ PIP°Pr CЇPsP·PIPëC,PeCf
P°P±Ps PIPëPePëPrPSCЇ PiC—CfP»CЇ PIPiP»PëPICf PjC—PePsC,,PµPSPsP»P°C,Cf
PjPsC,,PµC,PëP»Cf PSp° PsCЇPiP°PSC—P·Pj P±P°C,CHPeP°.

PħPαPљ C” PiPsC,CfP¶PSPëPj C,PµCЇP°C,PsPiPµPSPsPj. PќPµPIC—PrPsPjPs, C±Pë PSp°CЇPIPSP°
MPαPљ Cf CfPiPµCЇPjC—. P PsP·CЇP°C...CfPSPëPë, C%oPs P±P°P·CfCЇC,CHCfCЇ PSp°
PrP°PSPëC... PrPsCfP»C—PrP¶PµPSCЇ PSp° C,PIP°CЇPëPSP°C..., CfPIC—PrC±P°C,CH, C%oPs
PjP°PeCfPëPjP°P»CHPSP° PeC—P»CHPeC—CfC,CH MPαPљ, CЇPeP° PiPsC,PµPSC†C—PNëPSPs
PjPsP¶Pµ P±CfC,Pë PiPµCЇPµPrP°PSP° P¶C—PSC†C—, PSp°CfC,C—P»CHPePë PSPëP·CHPeP°,
C%oPs PSp°PICCЇPr C±Pë C†Pµ PjP°C,PëPjPµ PµC,,PµPeC,. Pj PrPsCfP»C—PrP¶PµPSPSCЇC...
PSp° C,PIP°CЇPëPSP°C... PiPsPeP°P·P°PSPs, C%oPs PjC—PePsC,,PµPSPsP»P°C, C”
PiPµPSPsC,PsPeCfPëC±PSPëPj Cf PePsPSC†PµPSC,CЇP°C†C—CЇC..., C%oPs
PiPµCЇPµPIPëC%oCfCЇC,CH PICfP·CHPePëPNë C,PµCЇP°PiPµPIC,PëC±PSPëPNë PrC—P°PiP°P·PsPs
PI PsCЇPiP°PSC—P·PjC— P»CЇPrPëPSPë PSpµP·PSP°C±PSPëPj C±PëPSPsPj, C,PsPjCf CЇPëP·PëPe
PiPµPSPsC,PsPeCfPëC±PSPsPiPs PIPiP»PëPICf PSp° CfPiPµCЇPjP°C,PsP·PsC—PrPë PSpµ
PjPsP¶Pµ P±CfC,Pë PiPsPIPSC—CfC,CЇ PIPëPeP»CЇC±PµPSPëPNë.

PŷPsPjCf CЇPµPePsPjPµPSPPrCfCЇC,CH C,P°PeC— P·P°PiPsP±C—P¶PSC— P·P°C...PsPrPë: PrP»CЇ
CfC,P°C,PµPIPs P°PeC,PëPIPSPëC... C±PsP»PsPIC—PeC—PI P°P±Ps C—C...PSC—C...
PiP°CЇC,PSPµCЇC—PI—P¶C—PSPsPe CЇPµPePsPjPµPSPPrCfC”C,CHCfCЇ
PIPëPePsCЇPëCfC,PSPICfPIP°C,Pë PSp°PrC—PNëPSC— PjPµC,PsPrPë PePsPSC,CЇP°C†PµPiC†C—C—
PiC—Pr C±P°Cf P»C—PeCfPIP°PSPSCЇ PiP°C†C—C”PSC,P°—C±PsP»PsPIC—PeP° C,P°
PiCЇPëPSP°PNëPjPSC— PiCЇPsC,CЇPiPsPj 90 PrPSC—PI PiC—CfP»CЇ PiCЇPëPiPëPSPµPSPSCЇ
P»C—PeCfPIP°PSPSCЇ PjC—PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP»PsPj. P§PsP»PsPIC—PeC—PI
CЇPµPiCЇPsPrCfPeC,PëPIPSsPiPs PIC—PeCf PSpµPsP±C...C—PrPSPs C—PSC,,PsCЇPjCfPIP°C,Pë
C,P° C—Pj CfP»C—Pr PsP±PiPsPIPsCЇPëC,Pë PjPsP¶P»PëPIC— CЇPëP·PëPePë
P±P°C,CHPeC—PICfC,PIP° P· PePIP°P»C—C,,C—PePsPIP°PSPëPj PjPµPrPëC±PSPëPj
PiCЇP°C†C—PIPSPëPePsPj.

P—PrP°C,PSC—CfC,CH PIPiP»PëPIP°C,Pë PSp° CëPIPëPrPeC—CfC,CH CЇPµP°PeC†C—C— PiCЇPë
PePµCЇCfPIP°PSPSC— P°PIC,PsC,CЇP°PSCfPiPsCЇC,PsPj P°P±Ps C—PSCëPëPjPë
PjPµC...P°PSC—P·PjP°PjPë.

PħC—PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP» PjP°C” PiPsPjC—CЇPSPëPNë PIPiP»PëPI PSp°
P·PrP°C,PSC—CfC,CH PePµCЇCfPIP°C,Pë C,CЇP°PSCfPiPsCЇC,PSPëPjPë P·P°CfPsP±P°PjPë C,P°
PiCЇP°C†CЇPIP°C,Pë P· C—PSCëPëPjPë PjPµC...P°PSC—P·PjP°PjPë.

PħC—PePsC,,PµPSPsP»P°C,Cf PjPsC,,PµC,PëP» PjPsP¶Pµ CfPiCЇPëC±PëPSCЇC,Pë
CfPsPSP»PëPIC—CfC,CH, CfPiP»CfC,P°PSC—CfC,CH CfPIC—PrPsPjPsCfC,C—,

P·P°PīP°PjPsCḡPsC‡PμPSPSCḲ, C,CḡPμPjPsCḡ P°P±Ps P°CḡC,PμCḡC-P°P»CḤPSCḡ
PiC-PīPsC,PμPSP·C-Cḡ, C- C,PsPjCḡ PīP°C†C-C°PSC,P°Pj CḡPμPePsPjPμPSPPrCḡC°C,CḤCḡCḲ
P±CḡC,Pē PsP±PμCḡPμPḡPSPēPjPē PiC-Pr C‡P°Cḡ PePμCḡCḡPIP°PSPSCḲ
C,CḡP°PSCḡPīPsCḡC,PSPēPjPē P·P°CḡPsP±P°PjPē P°P±Ps C-PSCēPēPjPē
PjPμC...P°PSC-P·PjP°PjPē.

PḡPīPsCḡC-P± P·P°CḡC,PsCḡC‡PIP°PSPSCḲ C,P° PrPsP·Pē.

P>C-PeCḡPIP°PSPSCḲ PīCḡPμPīP°CḡP°C,PsPj PḡC-C,,PμPSP°PeCḡ^{B®} PjP°CḡC,CḤ
CḡPsP·PīPsC‡PēPSP°C,Pē C,P° PīCḡPsPIPsPrPēC,Pē C,,P°C...C-PIC†C- P·
C,CḡP°PSCḡPīP»P°PSC,PsP»PsPiC-C—, CḲPeC- PjP°CḡC,CḤ PIC-PrPīPsPIC-PrPSCḡ
PePIP°P»C-C,,C-PeP°C†C-Cḡ.

P°PsP·CḡPIP°PSPSCḲ

PμCḡPsC,,C-P»P°PeC,PēPeP° PIC-PrC,PsCḡPiPSPμPSPSCḲ PSPēCḡPePē

P°PsCḡPsCḡP»C-

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PrP»CḲ PīP°C†C-C°PSC,C-PI P·
C,CḡP°PSCḡPīP»P°PSC,P°C,P°PjPē PSPēCḡPePē CḡC,P°PSPsPIPēC,CḤ 1 Pi 2 CḡP°P·Pē PSP°
PrPsP±Cḡ (PrPsP±PsPIP° PrPsP·P° ḡḡ“ 2 Pi). PμCḡPēPḡPsPj PīCḡPμPīP°CḡP°C,Cḡ
PSPμPsP±C...C-PrPSPs CḡPsP·PīPsC‡PēPSP°C,Pē PīCḡPsC,CḲPiPsPj 72 PiPsPrPēPS PiC-CḡP»CḲ
PīCḡPsPIPμPrPμPSPSCḲ C,CḡP°PSCḡPīP»P°PSC,P°C†C-C—.

P°C-C,Pē PIC-PePsPj PIC-Pr 2 PrPs 18 CḡPsPeC-PI

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° CḡC,P°PSPsPIPēC,CḤ 600 PjPi/Pj² PīP»PsC%oC-
PīPsPIPμCḡC...PSC- C,C-P»P° PīPμCḡPsCḡP°P»CḤPSPs 2 CḡP°P·Pē PSP° PrPsP±Cḡ
(PjP°PeCḡPēPjP°P»CḤPSP° PrPsP±PsPIP° PrPsP·P° ḡḡ“ 2 Pi). PμCḡPμPīP°CḡP°C, CḡP»C-Pr
PīCḡPēP·PSP°C‡P°C,Pē P»PēCēPμ PīP°C†C-C°PSC,P°Pj P· PīP»PsC%oPμCḡ PīPsPIPμCḡC...PSC-
C,C-P»P° PSPμ PjPμPSCēPμ 1,25 Pj². PμP°C†C-C°PSC,P°Pj P· PīP»PsC%oPμCḡ PīPsPIPμCḡC...PSC-
C,C-P»P° PIC-Pr 1,25 PrPs 1,5 Pj² PīCḡPμPīP°CḡP°C, PjPsPḡPSP° PīCḡPēP·PSP°C‡P°C,Pē Cḡ
PrPsP·C- 750 PjPi 2 CḡP°P·Pē PSP° PrPsP±Cḡ (PrPsP±PsPIP° PrPsP·P° ḡḡ“ 1,5 Pi).
PμP°C†C-C°PSC,P°Pj P· PīP»PsC%oPμCḡ PīPsPIPμCḡC...PSC- C,C-P»P° P±C-P»CḤCēPμ 1,5 Pj²
PīCḡPμPīP°CḡP°C, PjPsPḡPSP° PīCḡPēP·PSP°C‡P°C,Pē Cḡ PrPsP·C- 1 Pi 2 CḡP°P·Pē PSP°
PrPsP±Cḡ (PrPsP±PsPIP° PrPsP·P° ḡḡ“ 2 Pi). PḡCḡPeC-P»CḤPePē PrPμCḲPeC- PīPsP±C-C‡PSC-
CḡPμP°PeC†C-C— PIPēPSPēPeP°CḡC,CḤ C‡P°CḡC,C-CēPμ Cḡ PrC-C,PμPḡ C-
PiC-PrP»C-C,PeC-PI, PSC-Pḡ Cḡ PrPsCḡPsCḡP»PēC..., PjPsPḡPμ PIPēPSPēPePSCḡC,Pē
PSPμPsP±C...C-PrPSC-CḡC,CḤ Cḡ C,PēPjC‡P°CḡPsPIPsPjCḡ P·PSPēPḡPμPSPSC- PrPsP·Pē P°P±Ps
PīCḡPēPīPēPSPμPSPSC- P»C-PeCḡPIP°PSPSCḲ PīCḡPμPīP°CḡP°C,PsPj. PμCḡPē C†CḤPsPjCḡ
CḡP»C-Pr PICḡP°C...PsPICḡPIP°C,Pē PIP°PḡP»PēPIC- PeP»C-PSC-C‡PSC- C,,P°PeC,PsCḡPē, Cḡ
C,PsPjCḡ C‡PēCḡP»C- C,CḲPḡPeC-CḡC,CḤ CḡPμP°PeC†C-C—.

P°C-C,Pē PIC-PePsPj PrPs 2 CḡPsPeC-PI

P†CḡPSCḡCḡC,CḤ PsP±PjPμPḡPμPSC- PrP°PSC- C%oPsPrPs P±PμP·PīPμPePē C,P°
PμC,,PμPeC,PēPIPsCḡC,C- PīCḡPμPīP°CḡP°C,Cḡ PrP»CḲ PrC-C,PμPḡ PIC-PePsPj PrPs 2
CḡPsPeC-PI. PḡPsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḲ PīCḡPμPīP°CḡP°C,Cḡ PrC-C,CḲPj PIC-PePsPj
PrPs 2 CḡPsPeC-PI PSPμ CḡPμPePsPjPμPSPPrCḡC°C,CḤCḡCḲ.

РμCḡPsC,,C-P»P°PeC,PePeP° PIC-PrC,PsCḡPiPSPμPSPSCḡ CḡPμCḡC†Cḡ

P°PsCḡPsCḡP»C-

Р РμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PrP»Cḡ PḡP°C†C-C°PSC,C-PI P·
C,CḡP°PSCḡPḡP»P°PSC,P°C,P°PjPḡ CḡPμCḡC†Cḡ CḡC,P°PSPsPIPḡC,CH 1,5 Pi 2 CḡP°P·Pḡ PSP°
PrPsP±Cḡ (PrPsP±PsPIP° PrPsP·P° вḡ“ 3 Pi). РμCḡPḡPμPḡPsPj PḡCḡPμPḡPḡCḡP°C,Cḡ
PSPμPsP±C...C-PrPSPs CḡPsP·PḡPsC†PḡPSP°C,Pe PḡCḡPsC,CḡPiPsPj 5 PrC-P± PḡC-CḡP»Cḡ
C,CḡP°PSCḡPḡP»P°PSC,P°C†C-C—.

P°C-C,Pḡ

P°P°PSPḡC... P· P±PμP·PḡPμPePḡ C,P° PμC,,PμPeC,PePIPSPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
PḡCḡPμPḡPḡCḡP°C,Cḡ PrC-C,CḡPj PḡC-CḡP»Cḡ C,CḡP°PSCḡPḡP»P°PSC,P°C†C-C— CḡPμCḡC†Cḡ
PSPμPjP°C”.

РμCḡPsC,,C-P»P°PeC,PePeP° PIC-PrC,PsCḡPiPSPμPSPSCḡ PḡPμC†C-PSPePḡ

P°PsCḡPsCḡP»C-

Р РμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PrP»Cḡ PḡP°C†C-C°PSC,C-PI P·
C,CḡP°PSCḡPḡP»P°PSC,P°C,P°PjPḡ PḡPμC†C-PSPePḡ CḡC,P°PSPsPIPḡC,CH 1,5 Pi 2 CḡP°P·Pḡ PSP°
PrPsP±Cḡ (PrPsP±PsPIP° PrPsP·P° вḡ“ 3 Pi). РμCḡPḡPμPḡPsPj PḡCḡPμPḡPḡCḡP°C,Cḡ
PSPμPsP±C...C-PrPSPs CḡPsP·PḡPsC†PḡPSP°C,Pe CḡPePsPjPsPḡPḡ CḡPIPḡPrCḡPμ P·P° CḡPjPsPIPḡ
PμPsPiPs PḡPμCḡPμPSPsCḡPḡPsCḡC,C-.

P°C-C,Pḡ

P°P°PSPḡC... P· P±PμP·PḡPμPePḡ C,P° PμC,,PμPeC,PePIPSPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
PḡCḡPμPḡPḡCḡP°C,Cḡ PrC-C,CḡPj PḡC-CḡP»Cḡ C,CḡP°PSCḡPḡP»P°PSC,P°C†C-C—
PḡPμC†C-PSPePḡ PSPμPjP°C”.

PhCḡPsP±P»PḡPIC- PḡCḡCḡPḡPḡ PḡP°C†C-C°PSC,C-PI

РμP°C†C-C°PSC,Pḡ P»C-C,PSCHḡPsPiPs PIC-PeCḡ

P°P»Cḡ PḡP°C†C-C°PSC,C-PI P»C-C,PSCHḡPsPiPs PIC-PeCḡ (≥65 CḡPsPeC-PI) PḡC-CḡP»Cḡ
C,CḡP°PSCḡPḡP»P°PSC,P°C†C-C— PSPḡCḡPePḡ CḡPμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P°
CḡC,P°PSPsPIPḡC,CH 1 Pi 2 CḡP°P·Pḡ PSP° PrPsP±Cḡ, P° PḡC-CḡP»Cḡ
C,CḡP°PSCḡPḡP»P°PSC,P°C†C-C— CḡPμCḡC†Cḡ C- PḡPμC†C-PSPePḡ вḡ“ 1,5 Pi 2 CḡP°P·Pḡ PSP°
PrPsP±Cḡ.

РḡPḡCḡPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,CH

Pj PḡP°C†C-C°PSC,C-PI P· C,CḡP°PSCḡPḡP»P°PSC,P°C,P°PjPḡ PSPḡCḡPePḡ C,P° C,CḡPḡPePsCḡ
C...CḡPsPSC-C†PSPsCḡ PSPḡCḡPePsPIPpsCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,CH
(CḡPIPḡPrPeC-CḡC,CH PeP»CḡP±PsC†PePsPIPpsC— C,,C-P»CHC,CḡP°C†C-C— <25
PjP»/C...PI/1,73 Pj²), P·P° PIPḡPSCḡC,PePsPj PḡPμCḡC-PsPrCḡ P±PμP·PḡPsCḡPμCḡPμPrPSCHḡPs
PḡC-CḡP»Cḡ C,CḡP°PSCḡPḡP»P°PSC,P°C†C-C—, CḡP»C-Pr CḡPSPḡPeP°C,Pe PrPsP·, C%Ps
CḡC,P°PSPsPIP»CḡC,CH P±C-P»CHCḡPμ 1 Pi 2 CḡP°P·Pḡ PSP° PrPsP±Cḡ. PḡP°PeC-
PḡP°C†C-C°PSC,Pḡ PḡPsC,CḡPμP±CḡCḡC,CH CḡPμC,PμP»CHḡPSPsPiPs PSP°PiP»CḡPrCḡ.
PḡPsCḡPμPeC†C-Cḡ PrPsP·Pḡ C...PIPpsCḡPḡPj P· PḡC-CḡP»CḡPsPḡPμCḡP°C†C-PμPSPsCḡ
P·P°C,CḡPḡPjPePsCḡ C,,CḡPSPeC†C-C— PSPḡCḡPePsPIPpsPiPs C,CḡP°PSCḡPḡP»P°PSC,P°C,P° PSPμ

РiРsC,СҗC-Р±PSP° (РrРёРl. СҗРsР·РrC-Р» В«Рᄡ°СҗРjР°РeРsРeC-PSPµC,РёРeР°В»). Р°°PSC-
C%PsPrPs РiР°C†C-C°PSC,C-PI C-Р· C,СiР¶¶РeРsСҗ C...СҗРsPSC-C‡PSPsСҗ PSPёСҗРeРsPIPsСҗ
PSPµPrPsC†C,Р°C,PSC-C†C,Сҗ, СiРeC- РiРµСҗРµPSPµC†Р»Рё
C,СҗР°°PSC†РiР»Р°°PSC,Р°C†C-Сҗ C†РµСҗC†C¶ Р°Р±Ps РiРµC‡C-PSРeРё, PIC-РrC†C†C,PSC-.

РҗСiР¶¶РeР° РiРµC‡C-PSРeРsPIР° PSPµPrPsC†C,Р°C,PSC-C†C,Сҗ

РᄡРsСҗРµC†C-Сi РrРsР·Рё C† РiР°C†C-C°PSC,C-PI Р· C,СiР¶¶РeРёРj
Р·Р°C...PIPsСҗСҗPIР°PSPSC¶Рj РiР°СҗРµPSC...C-РjРё РiРµC‡C-PSРeРё, СiРeC-
РiРµСҗРµPSPµC†Р»Рё C,СҗР°°PSC†РiР»Р°°PSC,Р°C†C-Сҗ PSPёСҗРeРё, PSPµ РiРsC,СҗC-Р±PSP°.
Р°°PSC- C%PsPrPs РiР°C†C-C°PSC,C-PI C-Р· C,СiР¶¶РeРёРj Р·Р°C...PIPsСҗСҗPIР°PSPSC¶Рj
РiР°СҗРµPSC...C-РjРё РiРµC‡C-PSРeРё, СiРeC- РiРµСҗРµPSPµC†Р»Рё Рё
C,СҗР°°PSC†РiР»Р°°PSC,Р°C†C-Сҗ C†РµСҗC†C¶, PIC-РrC†C†C,PSC-.

Р>C-РeCᄡPIР°PSPSC¶ РiСҗРsC,СiРiРsРj РµРiC-Р·PsPrC-PI PIC-РrC,PsСҗРiPSPµPSPSC¶

РᄡC-РeРsC,,РµPSPsР»PsPIР° РeРёC†Р»РsC,Р° C° Р°РeC,РёPIPSPёРj РjРµC,Р°Р±PsР»C-C,PsРj
РjC-РeРsC,,РµPSPsР»Р°C,C† РjРsC,,РµC,РёР»C†. Р°C-РrC,PsСҗРiPSPµPSPSC¶
PSPёСҗРeРsPIPsРiPs C,СҗР°°PSC†РiР»Р°°PSC,Р°C,Р° PSPµ РiСҗРёРёР·PIPsРrРёC,Сҗ РrРs
Р·РjC-PSРё C,,Р°СҗРjР°РeРsРeC-PSPµC,РёРeРё РjC-РeРsC,,РµPSPsР»PsPIPsC— РeРёC†Р»РsC,Рё.
Рj C,Р°РeРёC... РiРёРiР°РrРeР°C... РiСҗРёРёРiРёPSPµPSPSC¶ Р»C-РeC†PIР°PSPSC¶
РiСҗРµРiР°СҗР°C,PsРj Р°Р±Ps Р·PSРёР¶РµPSPSC¶ РᄡРsРiPs РrРsР·Рё PSPµ РiРsC,СҗC-Р±PSPµ.
РќРµРµР°C° РrР°°PSPёC... C%PsPrPs C,,Р°СҗРjР°РeРsРeC-PSPµC,РёРeРё
РjC-РeРsC,,РµPSPsР»PsPIPsC— РeРёC†Р»РsC,Рё РiC-Рr C‡Р°C† PIC-РrC,PsСҗРiPSPµPSPSC¶
C,СҗР°°PSC†РiР»Р°°PSC,Р°C,Р° РiРµC‡C-PSРeРё. РќРµРµР°C° РrР°°PSPёC... C%PsPrPs
РeРsСҗРµРeC†C-C— РrРsР·Рё РiСҗРё РiC-РrC,PsСҗРiPSPµPSPSC- C,СҗР°°PSC†РiР»Р°°PSC,Р°C,Р°
C†РµСҗC†C¶.

Р°°C-C,Рё

РќРµРµР°C° РrР°°PSPёC... C%PsPrPs Р»C-РeC†PIР°PSPSC¶ РiРµСҗCёРsРiPs РµРiC-Р·PsPrC†
Р°Р±Ps СҗРµC,,СҗР°°РeC,РµСҗРsРiPs PIC-РrC,PsСҗРiPSPµPSPSC¶ РiC-C†Р»C¶
C,СҗР°°PSC†РiР»Р°°PSC,Р°C†C-C— C† РrC-C,РµРᄡ.

РҗРiРsC†C-Р± Р·Р°C†C,PsC†C†PIР°PSPSC¶

РµРµСҗРsСҗР°Р»СҗPSPµ Р·Р°C†C,PsC†C†PIР°PSPSC¶.

*Р—Р°РiРsР±C-Р¶PSC- Р·Р°C...PsPrРё, СiРeРёC... C†Р»C-Рr РiР¶РёC,Рё РrРs РiСҗРёРёРᄡРsРjCᄡ
РrР°°PSPsРiPs Р»C-РeР°СҗC†СҗРeРsРiPs Р·Р°C†PsР±Cᄡ*

РᄡC†РeC-Р»СҗРeРё РjC-РeРsC,,РµPSPsР»Р°C,C† РjРsC,,РµC,РёР»C†
РiСҗРsРrРµРjPsPSC†C,СҗC†PIР°PI C,РµСҗР°C,PsРiРµPSPSC† РrC-Сҗ C† C%C†СҗC-PI C-
РeСҗРsР»C-PI, РeР°РiC†C†Р»Рё РiСҗРµРiР°СҗР°C,C† РᄡC-,,РµPSP°РeC†^В PSPµ C†Р»C-Рr
PIC-РrРeСҗРёРiР°C,Рё Р°Р±Ps СҗРsР·Р»Р°°РjC†PIР°C,Рё Р· РjРµC,PsСҗ C†PSPёРePSPµPSPSC¶
PIРrРёC...Р°°PSPSC¶ РiРsСҗРsCёРeC†, C%Ps РjC-C†C,РёC,СҗC†C¶ PI РeР°РiC†C†Р»Р°°C..., C,Р°
РᄡРsРiPs РiСҗC¶РjPsРiPs РiРsC,СҗР°°РiР»C¶PSPSC¶ PSP° CёРeC-СҗC† Р°Р±Ps C†Р»Р»РёР·PsPIC-
PsР±PsР»PsSPeРё. РiРeC%Ps C†Рµ PIC-РrР±C†Р»РsC†C¶, РiРsC,СҗC-Р±PSPs
СҗРµC,РµР»СҗPSPs РiСҗРsРjРёC,Рё Р·Р°Р±СҗC†РrPSPµPSC† РrC-Р»C¶PSРeC† CёРeC-СҗРё
PIPsРrРsСҗ Р· РjРёР»РsРj, Р° PsC‡C- Вҗ° Р»РёCёРµ РiСҗРsC,PsC‡PSPsСҗ РiPsРrРsСҗ.

[illegible]

P°P°PSC- PīCḥPs PīPμCḥPμPrPsP·CíPíP°PSPSCḐ PjC-PePsC,,PμPSPsP»P°C,Cí PjPsC,,PμC,PēP»Cí P±CíP»Pē PsC,CḥPēPjP°PSC- Pí C...PsPrC- PeP»C-PSC-C†PSPēC... PrPsCíP»C-PrP¶PμPSCḐ C,P° PīC-CíP»CḐCḥPμC"CíC,CḥP°C†C-PNēPSPsPiPs P·P°CíC,PsCíCíPíP°PSPSCḐ. Pj P±P°PíP°C,CḥPsC... P·PSPēC... PīCḥPs PīPsP±C-C†PSC- CḥPμP°PeC†C-C— PSPμ PīPsPIC-PrPsPjP»CḐP»Pē. PμPsP±C-C†PSC- CḥPμP°PeC†C-C—, C%oPs PíPēPSPēPeP»Pē PīCḥPē PīPμCḥPμPrPsP·CíPíP°PSPSC-, P·P±C-PíP°P»PēCíCḐ P·PIC-PrPsPjPēPj PīCḥPsC,,C-P»PμPj P±PμP·PīPuPePē PīCḥPuPíP°CḥP°C,Cí.

РкРµ ГГР»С-Рr PsC†C-РeCѓPIP°C,Рё PIPёPIPµPrPµPSPSCЇ РeР»C-PSC-C†PSPs
Р·PSP°C†CѓC%oPsC— РeC-Р»CHРePsCѓC,C- РЃРРЃРЇ Р°Р±Ps РЃРРЃРЇР” CёР»CЇC...PsPj
PiРµPjPsPrC-Р°Р»C-Р·Cѓ. РµCЃРµРµРёР°CЃР°C,Рё, C%oPs Р·PI·CЇР·CѓC,CH Р¶PsPIC†PSC-
РeРёCГР»PsC,Рё, C,Р°РёeC- CЇРe C...PsР»РµCѓC,РёCЃР°РјC-PS, РјPsР¶CѓC,CH PIPёPIPµCѓC,Рё
РЃРРЃРЇ CёР»CЇC...PsPj Р·PSPёР¶РµPSPSCЇ РµPSC,РµCЃРµPsPiРµРёР°C,РёC†PSPsC—
CЃРµC†РёCЃРeCѓР»CЇC†C— Р»C-РeР°CЃCѓCЃРeРePsPiPs Р·Р°CѓPs±Cѓ (PrРёPI.
CЃРµPs·РrC-Р» В«РЃР°Р°CЃРјР°РёРePsРeC-PSPµC,РёРeР°В»).

P—P° PsC†C—PSPeP°PjPë, P·P°PiP°P»PsPj 1557 PïP°C†C—C”PSC,C—PI PsC,CḡPëPjC†PIP°P»Pë
PjC—PePsC,,PμPSPsP»P°C,C† PjPsC,,PμC,PëP» C† PïC†C,C,Pë PeP»C—PSC—C†PSPëC...
PrPsC†P»C—PrP¶PμPSPSC†C... PïCḡPsC,,C—P»P°PeC,PëPePë PiPsC†C,CḡPsPiPs
PIC—PrC,PsCḡPiPSPμPSPSC† C,CḡP°PSC†PïP»P°PSC,P°C,P°. P†P· PSPëC... 991 P±C†P»Pë
PIPeP»CḡC†PμPSC— PrPs C,CḡCHPsC... PrPsC†P»C—PrP¶PμPSCḡ

C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C— PSpëC₇H₅PePë, 277 B₇“ PrPs PsPrPSPsPiPs
 PrPsCÍP»C-PrP¶PµPSPSCÍ C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C— PíPµC‡C-PSPePë C, P° 289 B₇“ PrPs
 PsPrPSPsPiPs PrPsCÍP»C-PrP¶PµPSPSCÍ C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C— CÍPµC₇H₅C†CÍ.
 P₇H·P°C, C-PsPíC₇H₅PëPS CÍPe PíC₇H₅PíP°C₇P°C, PíPsC₇H₅-PIPSCÍPSPSCÍ
 P·P°CÍC, PsCÍP₇PsPICíPIP°P»Pë Cí PrPsCÍP»C-PrP¶PµPSPSCÍC...
 C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C— PíPµC‡C-PSPePë C, P° CÍPµC₇H₅C†CÍ, P° C, P°PePsP¶ Cí
 PrPIPsC... PrPsCÍP»C-PrP¶PµPSPSCÍC... C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C— PSpëC₇H₅PePë.
 P†PSC€Pµ PrPsCÍP»C-PrP¶PµPSPSCÍ C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C— PSpëC₇H₅PePë P±CíP»Ps
 PíP»P°C†PµP±Ps-PePsPSC, C₇H₅PsP»CH₅PsPIP°PSPëPj. Pj PICÍC-C... PíC₇H₅CíPíP°C...
 PrPsCÍP»C-PrP¶PµPSC₇H₅ PíP°C†C-C”PSC, Pë C, P°PePsP¶ PsC, C₇H₅PëPjCíPIP°P»Pë
 C†PëPeP»PsCÍPíPsC₇H₅PëPS C, P° PePsC₇H₅, PëPePsCÍC, PµC₇H₅PsC—PrPë. PÿPëPíPë
 PíPsP±C-C‡PSPëC... C₇H₅PµP°PeC†C-PN₂, PíC₇H₅Ps CÍPeC- PíPsPIC-PrPsPjP»CÍP»Pë PíC-Pr C‡P°CÍ
 PíC-CÍP»CÍC₇H₅PµC”CÍC, C₇H₅P°C†C-PN₂PSPsPiPs P·P°CÍC, PsCÍCíPIP°PSPSCÍ
 PjC-PePsC,, PµPSPsP»P°C, Cí PjPsC,, PµC, PëP»Cí, C” PíPsPrC-P±PSPëPjPë PrPs C, PëC..., C%₀Ps
 CÍPíPsCÍC, PµC₇H₅-PíP°P»PëCÍCÍ Pí PePsPSC, C₇H₅PsP»CH₅PsPIP°PSPëC...
 PrPsCÍP»C-PrP¶PµPSPSCÍC... C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C— PSpëC₇H₅PePë, CÍPµC₇H₅C†CÍ
 C, P° PíPµC‡C-PSPePë.

P₇K°PN₂P±C-P»CH₅C€ PíPsC€PëC₇H₅PµPSPëPjPë C, P°/P°P±Ps CÍPµC₇H₅PN₂PsP·PSPëPjPë
 PíPsP±C-C‡PSPëPjPë C₇H₅PµP°PeC†C-CÍPjPë, PíPsPI'CÍP·P°PSPëPjPë C-P·
 P·P°CÍC, PsCÍCíPIP°PSPSCÍPj PjC-PePsC,, PµPSPsP»P°C, Cí PjPsC,, PµC, PëP»Cí Pí
 PePsPjP±C-PSP°C†C-C— P· C†PëPeP»PsCÍPíPsC₇H₅PëPSPsPj C-
 PePsC₇H₅, PëPePsCÍC, PµC₇H₅PsC—PrP°PjPë, P±CíP»Pë PrC-P°C₇H₅PµCÍ, P»PµPN₂PePsPíPµPSC-CÍ,
 CÍPµPíCíPëCÍ C- P±P»C₇H₅PIP°PSPSCÍ. P†CÍPSCíC₇H₅, CH₅ C, P°PePsP¶ PrP°PSC- PíC₇H₅Ps
 PíC-PrPIPëC%₀PµPSPSCÍ C‡P°CÍC, PsC, Pë PrPµCÍPePëC... C, PëPíC-PI C-PSC,, PµPeC†C-PN₂
 (PrPëPI. C₇H₅PsP·PrC-P» B<PhCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCíPIP°PSPSCÍB»).

Pj C, P°P±P»PëC†C- PSpëP¶C‡Pµ P·P°P·PSP°C‡PµPSPs PíPsP±C-C‡PSC- C₇H₅PµP°PeC†C-C—,
 CÍPeC- CÍPíPsCÍC, PµC₇H₅-PíP°P»PëCÍCÍ Cí PeP»C-PSC-C‡PSPëC...
 PrPsCÍP»C-PrP¶PµPSPSCÍC... C, P° PíC-Pr C‡P°CÍ
 PíC-CÍP»CÍC₇H₅PµC”CÍC, C₇H₅P°C†C-PN₂PSPsPiPs P·P°CÍC, PsCÍCíPIP°PSPSCÍ, P·P°
 PeP»P°CÍP°PjPë CÍPëCÍC, PµPj PsC₇H₅PíP°PSC-PI PIC-PrPíPsPIC-PrPSPs PrPs MedDRA C, P°
 C‡P°CÍC, PsC, PsC₇. P’C-PrPíPsPIC-PrPSP° PeP°C, PµPíPsC₇H₅-CÍ C‡P°CÍC, PsC, Pë PrP»CÍ
 PePsP¶PSPsC— PíPsP±C-C‡PSPsC— C₇H₅PµP°PeC†C-C— PSP° PíC₇H₅PíP°C₇P°C,
 P·P°CÍPSPsPIP°PSP° PSP° C, P°PePëC... PeC₇H₅PëC, PµC₇H₅-CÍC...: PrCíP¶Pµ PíPsC€PëC₇H₅PµPSC-
 (≥1/10), PíPsC€PëC₇H₅PµPSC- (PIC-Pr ≥1/100 Pro <1/10), PSPµPíPsC€PëC₇H₅PµPSC- (PIC-Pr
 ≥1/1000 Pro <1/100), C₇H₅-PrPePs PíPsC€PëC₇H₅PµPSC- (PIC-Pr ≥1/10000 Pro <1/1000) C, P°
 PrCíP¶Pµ C₇H₅-PrPePs PíPsC€PëC₇H₅PµPSC- (<1/10000). P§PµC₇H₅PµP· P·PSP°C‡PSC-
 PIC-PrPjC-PSPSPsCÍC, C-, C%₀Ps CÍPíPsCÍC, PµC₇H₅-PíP°C₇H₅, CH₅CÍCÍ Pí C‡P°CÍC, PsC, C-
 PíPµPIPSPëC... PíPsP±C-C‡PSPëC... C₇H₅PµP°PeC†C-PN₂ PrP»CÍ C₇H₅-P·PSPëC...
 PíPsPeP°P·P°PSC₇H₅ C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C—, C‡P°CÍC, PsC, P° PSP°PIPµPrPµPSP°
 PsPeC₇H₅PµPjPs PrP»CÍ PíP°C†C-C”PSC, C-PI C-P· C, C₇H₅P°PSCÍPíP»P°PSC, P°C†C-C”C₇H₅
 PSpëC₇H₅PePë, PíPµC‡C-PSPePë C, P° CÍPµC₇H₅C†CÍ.

P PµP·C₇H₅PjPµ PíPsP±C-C‡PSPëC... C₇H₅PµP°PeC†C-PN₂, C%₀Ps PIPëPSPëPeP°P»Pë Cí
 PíP°C†C-C”PSC, C-PI, CÍPeC- PsC, C₇H₅PëPjCíPIP°P»Pë PjC-PePsC,, PµPSPsP»P°C, Cí
 PjPsC,, PµC, PëP» Cí PeP»C-PSC-C‡PSPëC... PrPsCÍP»C-PrP¶PµPSPSCÍC... C, P° Cí
 PíC-CÍP»CÍC₇H₅PµC”CÍC, C₇H₅P°C†C-PN₂PSPëPN₂ PíPµC₇H₅-PsPr

[illegible]

P'C-PrCḥPēPḥPḥPeP°
PḥPḥC, PḥPḥPsCḥPēPḥPj
P'P°CḥC, CḥPēC,
PḥP°CḥPSPePsPIPs-PePēCēPePsPIP°
PeCḥPsPIPsC, PḥCḥP°
P'PēCḥP°P·PeP° CēP°CḥPSPePsPIPs-
PePēCēPePsPIPsPiPs C, CḥP°PeC, Cḥ
P'C-PiPḥCḥPiP°P'P·C-Cḥ CḥCḥPḥPS
PḥPēCēPePsPIP° PSpḥPiCḥPsC...C-PrPSC-CḥC, Cḥ
P'PēCḥP°P·PePē CḥPsC, PsPIPsC—
PiPsCḥPsPḥPSPPēCḥPē
PḥCḥPrPsC, P°
PḥP°PSPeCḥPḥPḥC, PēC,
PḥC, PsPjP°C, PēC,
P'P°CḥPiP°PSPSCḥ
P—PḥPsPeCḥC-PjCḥPSPSPSC—CḥPēCḥC, PḥPjPē
P'C-PiPḥCḥCḥCḥC, P°PēPiC-CḥC, Cḥ
P'C-PiPsPiP°PjPjP°PiP°PsPḥCḥPḥC-Cḥ

PkPμPiPsCεPēC̄h̄PμPSC-
PμPsCεPēC̄h̄PμPSC-
PμPsCεPēC̄h̄PμPSC-
PμPsCεPēC̄h̄PμPSC-

PμPsCεPēC̄h̄PμPSC-

PμPsCεPēC̄h̄PμPSC-
PμPsCεPēC̄h̄PμPSC-
PμPsCεPēC̄h̄PμPSC-

PkPμPiPsCεPεC̄h̄PμPSC-
P"CrPμPiPsCεPεC̄h̄PμPSC-
PμPsCεPεC̄h̄PμPSC-
PμPsCεPεC̄h̄PμPSC-

PμPsCεPεC̄h̄PμPSC-

PμPsCεPεC̄h̄PμPSC-
PμPsCεPεC̄h̄PμPSC-
PμPsCεPεC̄h̄PμPSC-

PuPsCεPεC̄H̄PuPSC-
P"CrP¶P¶ PiPsCεPεC̄H̄PuPSC-
PuPsCεPεC̄H̄PuPSC-
PuPsCεPεC̄H̄PuPSC-

PuPsCεPεC̄H̄PuPSC-
PuPsCεPεC̄H̄PuPSC-
PuPsCεPεC̄H̄PuPSC-
PuPsCεPεC̄H̄PuPSC-

$P- P \pm P s P e C \acute{z} \acute{z} P i P \mu P i P^{\circ} C, P s P \pm C-P \gg C-P^{\circ} C \acute{H} P S P s C- C$
 $P \mu C- P r P i P \acute{E} C \% P \mu P s P S C \sqcup C \acute{H} C- P i P S C \sqcup$
 $P \gg C f P \sqcap P S P s C- C, P s C \acute{I} C, P^{\circ} C, P^{\circ} P \cdot P \acute{e} P i P e C \acute{H} P s P i C-$
 $P \mu C- P r P i P \acute{E} C \% P \mu P s P S C \sqcup C \acute{H} C- P i P S C \sqcup$
 $P \gg P^{\circ} P e C, P^{\circ} C, P r P \mu P i C- P r C \acute{H} P s P i P \mu P S P^{\circ} P \cdot P \acute{e} P i$
 $P e C \acute{H} P s P i C-$
 $P \mu C- P r P i P \acute{E} C \% P \mu P s P S C \sqcup C \acute{H} C- P i P S C- P i$
 $P i P \mu C \ddagger C- P s P e P s P i P \acute{E} C \dots C, P \mu C \acute{H} P i P \mu P S C, C- P i$
 $P^{\circ} P \mu P i P^{\circ} C, P \acute{e} C,$
 $P^{\circ} C- P i P \mu C \acute{H} P \pm C- P \gg C- C \acute{H} C f P \pm C- P S P \mu P j C- C \sqcup$
 $P- P s P i C, C \sqcup P S P \acute{E} C \ddagger C \sqcup$
 $P- P \pm P s P e C \acute{z} C \acute{e} P e C- C \acute{H} P \acute{e} C, P^{\circ} P i C- P r C \acute{e} P e C- C \acute{H} P S$
 $P \acute{h} P e P S P \mu$
 $P \acute{h} P \gg P s P i P \mu C \ddagger C- C \sqcup$
 $P^{\circ} P \acute{e} C \acute{I} P \acute{e} P i P^{\circ} P S P S C \sqcup$
 $P^{\circ} C- P i P \mu C \acute{H} C, C \acute{H} P s C, C- C \sqcup C \acute{e} P e C- C \acute{H} P \acute{e}$
 $P- P \pm P s P e C \acute{z} P e C- C \acute{I} C, P e P s P i P s- P j^{\circ} C \sqcup P- P s P i P s C- C$
 $P \mu C- P r P i P \acute{E} C, C \acute{H} P^{\circ} P \gg P i C- C \sqcup$
 $P \acute{H}^{\circ} C \sqcup P- P s P i P^{\circ} C \acute{I} P^{\circ} P \gg P \pm P e C- C \acute{I} C, C \acute{H}$
 $P- P \pm P s P e C \acute{z} P S P \acute{e} C \acute{H} P s P e C, P^{\circ} C \acute{I} P \mu C \ddagger P s P i P \acute{e} P r C- P$
 $P \mu C- P r P i P \acute{E} C \% P \mu P s P S C \sqcup C \acute{H} C- P i P S C \sqcup$
 $P e C \acute{H} P i P^{\circ} C, P \acute{e} P S C- P S C f P i P e C \acute{H} P s P i C-$
 $P \mu C- P r P i P \acute{E} C \% P \mu P s P S C \sqcup C \acute{H} C- P i P S C \sqcup$
 $C \acute{I} P \mu C \ddagger P s P i P \acute{e} P S P \acute{e} P i P e C \acute{H} P s P i C-$
 $P^{\circ} P \mu P j P^{\circ} C, C f C \acute{H} C- C \sqcup$
 $P \mu P s C \acute{H} C f C \acute{e} P \mu P s P S C \sqcup C, C f P S P e C \ddagger C- C-$
 $P S P \acute{e} C \acute{H} P s P e$
 $P- P^{\circ} P i P^{\circ} P \gg C \acute{H} P S C- P i P s C \acute{H} C \ddagger C \acute{e} P \mu P s P S C \sqcup C, P^{\circ} C \acute{I}$
 $P \acute{h} C \acute{I} C, P \mu P S C- C \sqcup$
 $P \acute{h} P \cdot P S P s P \pm$
 $P \acute{K} P^{\circ} P \pm C \acute{H} C \sqcup P e$
 $P^{\circ} C \acute{H} P \acute{e} P i P^{\circ}$
 $P \acute{K} P \mu P \cdot P r C f P \sqcap P^{\circ} P S P S C \sqcup$
 $P^{\circ} P s P \gg C-$
 $P \mu C- P r P i P \acute{E} C \% P \mu P s P S C \sqcup C, P \mu P j P i P \mu C \acute{H} P^{\circ} C, C f C \acute{H} P$
 $C, C- P \gg P^{\circ}$
 $P^{\circ} P s C \acute{I} C, C \acute{H} P \acute{e} P \acute{H} P \cdot P \cdot P i P^{\circ} P \gg C \acute{H} P S P \acute{e} P \acute{H} P$
 $C \acute{I} P \acute{e} P S P r C \acute{H} P s P j,$
 $P^{\circ} C \acute{I} P s C \ddagger C- P \acute{H} P s P i P^{\circ} P S P \acute{e} P \acute{H} P \cdot$
 $C- P S P i C- P \pm C- C, P s C \acute{H} P^{\circ} P j P \acute{e}$
 $C \acute{I} P \acute{e} P S C, P \mu P \cdot C f P i C f C \acute{H} P \acute{e} P S C- P i de novo$

PkPμPiPsC€PëCḡPμPSC-
PkPμPiPsC€PëCḡPμPSC-

P_μP_sC€P_ēC_hP_μPSC-

P_μP_sC€PëC_ηP_μPSC-

[illegible]
$$\begin{array}{l} \text{P''CrP}\parallel\text{P}_{\mu} \quad \text{PiPsC€P€CTjP}_{\mu}\text{PSC-} \\ \text{P}_{\mu}\text{PsC€P€CTjP}_{\mu}\text{PSC-} \end{array}$$

P^rC^fP[¶]P_i P_iP_sC^εP^εC^ηP_uPSC-
P_uP_sC^εP^εC^ηP_uPSC-
P^rC^fP[¶]P_i P_iP_sC^εP^εC^ηP_uPSC-
P_uP_sC^εP^εC^ηP_uPSC-
P_uP_sC^εP^εC^ηP_uPSC-
P_uP_sC^εP^εC^ηP_uPSC-
P^rC^fP[¶]P_i P_iP_sC^εP^εC^ηP_uPSC-

PkPμPīPsC€PëCηPμPSC-

$$\begin{array}{c} \text{P}\mu\text{P}\text{sC}\epsilon\text{P}\ddot{\text{e}}\text{C}\tilde{\text{H}}\text{P}\mu\text{P}\text{SC}- \\ \text{P}''\text{C}\text{r}\text{P}\parallel\text{P}\mu\text{C}\tilde{\text{H}}\text{C}-\text{Pr}\text{Pe}\text{Ps} \\ \text{P}\ddot{\text{i}}\text{PsC}\epsilon\text{P}\ddot{\text{e}}\text{C}\tilde{\text{H}}\text{P}\mu\text{P}\text{SC}- \end{array}$$

P₄P₅C€P€C₇P₄PSC-

PKPµP̄iPsC€P̄eC̄hPµPSC-

P"CrP¶Pµ PiPsCεPëC¶PµPSC-
P"CrP¶Pµ PiPsCεPëC¶PµPSC-
P"CrP¶Pµ PiPsCεPëC¶PµPSC-
PµPsCεPëC¶PµPSC-

PuPsCεPεCηPuPSC-
PuPsCεPεCηPuPSC-
P"CrP¶Pu PiPsCεPεCηPuPSC-
PuPsCεPεCηPuPSC-
C#PSPSc — C,PeP"PSPPSPë
PuPsCεPεCηPuPSC-
PuPsCεPεCηPuPSC-

P"Cr'P¶Pµ PiPsC€PëCḤPµPSC-

P"Cr'P¶Pµ PiPsC€PëCḤPµPSC-

$$\begin{array}{l} \text{P}\mu\text{P}\sigma\text{C}\epsilon\text{P}\epsilon\text{C}\eta\text{P}\mu\text{P}\sigma\text{C}- \\ \text{P}''\text{C}\rho\text{P}\mu\text{P}\sigma\text{C}\epsilon\text{P}\epsilon\text{C}\eta\text{P}\mu\text{P}\sigma\text{C}- \end{array}$$

P⁺CrP⁺Pu P⁺PiPsC€P€C€P⁺PuPSC-
P⁺CrP⁺Pu P⁺PiPsC€P€C€P⁺PuPSC-
P⁺CrP⁺Pu P⁺PiPsC€P€C€P⁺PuPSC-
P⁺CrP⁺Pu P⁺PiPsC€P€C€P⁺PuPSC-
P⁺PiPsC€P€C€P⁺PuPSC-
P⁺CrP⁺Pu P⁺PiPsC€P€C€P⁺PuPSC-
P⁺CrP⁺Pu P⁺PiPsC€P€C€P⁺PuPSC-

PkPµPïPsC€PëCηPµPSC-

$$\begin{array}{c} \text{P}\mu\text{PsC}\epsilon\text{P}\epsilon\text{C}\eta\text{P}\mu\text{PSC-} \\ \text{P}''\text{CrP}\mu\text{C}\eta\text{C-PrPePs} \\ \text{P}\mu\text{PsC}\epsilon\text{P}\epsilon\text{C}\eta\text{P}\mu\text{PSC-} \end{array}$$

P₄P₅C€P₆C₇P₈PSC-

P"CrP¶Pµ PïPsC€PëCḤPµPSC-

P"CrP¶Pµ PïPsC€PëCḥPµPSC-

P_KP_uP_iP_sC€P_eC₇P_uPSC-
P"CrP_uP_iP_sC€P_eC₇P_uPSC-
P_uP_sC€P_eC₇P_uPSC-

P''CrP||P_u P_iPsCεPεC₇P_uPSC-
P_uPsCεPεC₇P_uPSC-
P''CrP||P_u P_iPsCεPεC₇P_uPSC-
P''CrP||P_u P_iPsCεPεC₇P_uPSC-

P"CrP¶Pµ PīPsC€PëCĤPµPSC-
P"CrP¶Pµ PīPsC€PëCĤPµPSC-

P"CrP¶Pµ PïPsC€PëCḤPµPSC-

P"CrP¶Pµ PïPsC€PëC₇PµPSC-

$$\begin{array}{l} \text{P}\mu\text{P}\sigma\text{C}\epsilon\text{P}\ddot{\epsilon}\text{C}\eta\text{P}\mu\text{P}\sigma\text{C}- \\ \text{P}''\text{C}\rho\text{P}\mu\text{P}\ddot{\iota}\text{P}\sigma\text{C}\epsilon\text{P}\ddot{\epsilon}\text{C}\eta\text{P}\mu\text{P}\sigma\text{C}- \end{array}$$

P⁺CrP⁺P_u PiPsCēPēC_hP_uPSC-
P⁺CrP⁺P_u PiPsCēPēC_hP_uPSC-
P⁺CrP⁺P_u PiPsCēPēC_hP_uPSC-
P⁺CrP⁺P_u PiPsCēPēC_hP_uPSC-
P_uPsCēPēC_hP_uPSC-
P⁺CrP⁺P_u PiPsCēPēC_hP_uPSC-
P⁺CrP⁺P_u PiPsCēPēC_hP_uPSC-

PκPμPϊPσC€PëCηPμPSC-

$\text{P}\mu\text{C}\overline{\text{H}}\text{P}\ddot{\text{e}}\text{PjC-C,PeP}^\circ: 991 (\text{PjC-PePsC}_{,,}\text{P}\mu\text{PSPSP}\gg\text{P}^\circ\text{C,Cr PjPsC}_{,,}\text{P}\mu\text{C,P}\ddot{\text{e}}\text{P}\gg 2 \text{Pi}/3 \text{Pi PSP}^\circ \text{PrPsP}\pm\text{Cr}),$
 $289 (\text{PjC-PePsC}_{,,}\text{P}\mu\text{PSPSP}\gg\text{P}^\circ\text{C,Cr PjPsC}_{,,}\text{P}\mu\text{C,P}\ddot{\text{e}}\text{P}\gg 3 \text{Pi PSP}^\circ \text{PrPsP}\pm\text{Cr PiP}\mu\text{C}\overline{\text{H}}\text{PsC}\overline{\text{H}}\text{P}^\circ\text{P}\gg\text{CH}\text{PSPs})$
 $\text{C,P}^\circ 277 (\text{PjC-PePsC}_{,,}\text{P}\mu\text{PSPSP}\gg\text{P}^\circ\text{C,Cr PjPsC}_{,,}\text{P}\mu\text{C,P}\ddot{\text{e}}\text{P}\gg 2 \text{Pi PSP}^\circ \text{PrPsP}\pm\text{Cr}$
 $\text{PIPSCrC,C}\overline{\text{H}}\text{C-C}\overline{\text{E}}\text{PSC}\overline{\text{H}}\text{PsPIP}\mu\text{PSPSPs}/3 \text{Pi PSP}^\circ \text{PrPsP}\pm\text{Cr PiP}\mu\text{C}\overline{\text{H}}\text{PsC}\overline{\text{H}}\text{P}^\circ\text{P}\gg\text{CH}\text{PSPs})$
 $\text{PiP}^\circ\text{C}\dagger\text{C-C}''\text{PSC,C-Pi PsC,C}\overline{\text{H}}\text{P}\ddot{\text{e}}\text{PjCrPIP}^\circ\text{P}\gg\text{P}\gg\text{C-PeCrPIP}^\circ\text{PSPSC}\overline{\text{H}} \text{Cr}$
 $\text{PrPsC}\overline{\text{I}}\text{P}\gg\text{C-PrP}\overline{\text{H}}\text{P}\mu\text{PSPSC}\overline{\text{H}}\text{C... III C}_{,,}\text{P}^\circ\text{P}\cdot\text{P}\ddot{\text{e}} \text{PiC}\overline{\text{H}}\text{PsC}_{,,}\text{C-P}\gg\text{P}^\circ\text{PeC,P}\ddot{\text{e}}\text{PeP}\ddot{\text{e}}$
 $\text{PIC-PrC,PsC}\overline{\text{H}}\text{PiPSP}\mu\text{PSPSC}\overline{\text{H}} \text{C,C}\overline{\text{H}}\text{P}^\circ\text{PSC}\overline{\text{I}}\text{PiP}\gg\text{P}^\circ\text{PSC,P}^\circ\text{C,P}^\circ \text{PSP}\ddot{\text{e}}\text{C}\overline{\text{H}}\text{PeP}\ddot{\text{e}}, \text{C}\overline{\text{I}}\text{P}\mu\text{C}\overline{\text{H}}\text{C}\dagger\text{C}\overline{\text{H}} \text{C,P}^\circ$
 $\text{PiP}\mu\text{C}\ddagger\text{C-PSPeP}\ddot{\text{e}} \text{PIC-PrPiPsPIC-PrPSPs}.$

[illegible]
$$P-P \gg P_s C L I P \epsilon C - C I' P S C - P S P_s P I P_s C \acute{C} C, P I P_s C \eta P_{\mu} P S P S C L I$$
$$\text{Pj} \text{ PjP}^\circ\text{C}^+\text{C}-\text{C}''\text{PSC}, \text{C}-\text{PI}, \text{CIPeC}-\text{PsC}, \text{C}\overline{\text{H}}\text{P}\overline{\text{e}}\text{PjCrC}\overline{\text{H}}\text{C}, \text{C}\overline{\text{H}} \text{ C}\overline{\text{H}}\text{PuP}\overline{\text{I}}\text{P}\overline{\text{e}}\text{PjP}\overline{\text{e}}$$

C-PjCfPSPsCfCfPfcHfPmCfPpIPSPsC— C,PmCHfP°PfcC—, Cf C,PsPjCf C‡PfcCfP»C-
 PePsPjP±C-PSP°C†C— P»C-PeP°CHfCfCHPePfc... P·P°CfPSP±C-PI, PIPeP»CHC‡P°CHC‡Pfc
 PfcC—C,,PmPSP°PeCf^{B®}, Pfc-PrPIPfcC%oPmPSPpNm CHfPpP·PpPe PIPpPSPpPePSPmPSPSCf
 P»C-PjC,,PsPj C,P° C-PSCfPfcC... P·P»PsCfPfcC—CfPSPfcC... PSPsPIPsCfC,PIPsCHfPmPSCf,
 P·PsPeCHfPmPjP° CfPeC-CHfPp (PrPpPI. CHfPsP·PrC-P» B«PhCfPsP±P»PpPIPsCfC,C-
 P·P°CfC,PsCfCfPIP°PSPSCfB»). PfcCHfPpCHfC-C‡PSC- PrP°PSC- P· P±PmP·PpPmPePfc
 CfC,PsCfPsPIPsPs PpP°C†C-C”PSC,C-PI Pfc-CfP»Cf PpPmCHfPmCfP°PrPePfc PSPfcCHfPePfc P°P±Ps
 CfPmCHfC†Cf PSPm PjC-CfC,CfC,Cf C-PSC,,PsCHfPjP°C†C— PfcCHfPs P±CfPrCHf-CfPfcC-
 PSPmPsC‡C-PeCfPIP°PSC- P·PjC-PSPfc C‡P°CfC,PsC,Pp P·P»PsCfPfcC—CfPSPfcC...
 PSPsPIPsCfC,PIPsCHfPmPSCf PpPsCHfC-PIPsCfPSPs P· PpPsPeP°P·PSPpPeP°PjPp P·P° CHfC-Pe.
 PmC—CfP»Cf PpPmCHfPmCfP°PrPePfc PpPmC‡C-PSPePfc P·P° C...PIPsCHfPpPjPp
 CfPpPsCfC,PmCHfC-PpP°P»Pp PSPm PjPmPSCfPm 1 CHfPsPeCf, P°P»Pm PjPmPSCfPm 3 CHfPsPeC-PI.

P†PSC,,PmPeC†C—

PJ PICfC—C... PpP°C†C-C”PSC,C-PI, CfPfcC- PsC,CHfPpPjCfPIP°P»Pp P»C-PeCfPIP°PSPSCf
 C-PjCfPSPsCfCfPfcHfPmCfP°PSC,P°PjPp, Pfc-PrPIPfcC%oPmPSPpNm CHfPpP·PpPe
 P±P°PeC,PmCHfC-P°P»CHfPSPfcC..., PIC-CHfCfCfPSPfcC... C,P° PfcCHfPp±PePsPIPfcC...
 C-PSC,,PmPeC†C-PNp (PrPmCfPfcC- P· PSPfcC... PjPsP¶CfC,Cf PfcCHfPpP·PIPmCfC,Pp PrPs
 P»PmC,P°P»CHfPSPsPiPs PSP°CfP»C-PrPeCf), Cf C,PsPjCf C‡PfcCfP»C-
 CfPfcCHfPpC‡PpPSPmPSPfcC... P·P±CfPrPSPpPeP°PjPp PsPpPsCHfC,CfPSC-CfC,PfcC‡PSPfcC...
 C-PSC,,PmPeC†C-PNp, P° C,P°PePsP¶ CHfPmP°PeC,PpPIP°C†C— P»P°C,PmPSC,PSPsC—
 PIC-CHfCfCfPSPsC— C-PSC,,PmPeC†C—C—. PpPmPNp CHfPpP·PpPe P·CHfPsCfC,P°C” P·C-
 P·P±C-P»CHfCfPmPSPSCfPj P·P°PpP°P»CHfPSPsPiPs C-PjCfPSPsCfCfPfcHfPmCfPpPpIPSPsPiPs
 PSP°PIP°PSC,P°P¶PmPSPSCf (PrPpPI. CHfPsP·PrC-P» B«PhCfPsP±P»PpPIPsCfC,C-
 P·P°CfC,PsCfCfPIP°PSPSCfB»). PkP°PNpP±C-P»CHfCf CfPmCHfPNpPsP·PSPpPjPp
 C-PSC,,PmPeC†C-CfPjPp P±CfP»Pp CfPmPfcCfPfcCf, PpPmCHfPpC,PsPSC-C,, PjPmPSC-PSPfcC—,
 PmPSPPrPsPeP°CHfPrPpC,, C,CfP±PmCHfPeCfP»CHfPsP· C,P° P°C,PpPpPsPIP°
 PjC-PePsP±P°PeC,PmCHfC-P°P»CHfPSP° C-PSC,,PmPeC†C-Cf. PkP°PNpP±C-P»CHfCf
 PpPsCfPpCHfPmPSPpPjPp PsPpPsCHfC,CfPSC-CfC,PfcC‡PSPpPjPp C-PSC,,PmPeC†C-CfPjPp Cf
 PpP°C†C-C”PSC,C-PI C-P· C,CHfP°PSCfPpP°PSC,P°C,PsPj PSPfcCHfPePp, CfPmCHfC†Cf C,P°
 PpPmC‡C-PSPePp, CfPfcC- PsC,CHfPpPjCfPIP°P»Pp PjC-PePsC,,PmPSPsP»P°C,Cf PjPsC,,PmC,PpP»
 (2 Pi P°P±Ps 3 Pi PSP° PrPsP±Cf) P· C-PSCfPpPjPp C-PjCfPSPsCfCfPfcHfPmCfP°PSC,P°PjPp PI
 PePsPSC,CHfPsP»CHfPsPIP°PSPfcC... PeP»C-PSC-C‡PSPfcC... PrPsCfP»C-PrP¶PmPSPSCfC... C,P°
 CfPfcC... CfPpPsCfC,PmCHfC-PpP°P»Pp PfcCHfPsC,CfPpPsPj C%oPsPSP°PNpPjPmPSCfPm 1
 CHfPsPeCf, P±CfP»Pp PeP°PSPPrPpPrPsP· CfPeC-CHfPp C,P° CfP»PpP·PsPIPfcC...
 PsP±PsP»PsPSPsPe, PpPpP’-PIC-CHfPmPjC-Cf/CfPpPSPPrCHfPsPj C,P° PfcCHfPsCfC,PpPNp
 PpPmCHfPpPmCf. PpP°CfC,PeP° PpP°C†C-C”PSC,C-PI C-P· PpPpP’-
 PIC-CHfPmPjC-C”CH/CfPpPSPPrCHfPsPjPsPj CfC,P°PSPsPIPpP»P° 13,5%. PJ PpP°C†C-C”PSC,C-PI,
 CfPfcC- PsC,CHfPpPjCfPIP°P»Pp P»C-PeCfPIP°PSPSCf C-PjCfPSPsCfCfPfcHfPmCfP°PSC,P°PjPp,
 Cf C,PsPjCf C‡PfcCfP»C- PjC-PePsC,,PmPSPsP»P°C,Cf PjPsC,,PmC,PpP»PsPj,
 PpPsPIC-PrPsPjP»CfP»Pp PfcCHfPs PIPpPpP°PrPePp P’Pp-PIC-CHfCfCfPSPsC—
 PSPmC,,CHfPsPpP°C,C—, P° C,P°PePsP¶ PIPpPpP°PrPePp JC-PIC-CHfCfCfPSPsC—
 PfcCHfPsPfcCHfPmCfCfCHC‡PsC— PjCfP»CHfC,PfcC,,PsPeP°P»CHfPSPsC—
 P»PmPNpPePsPmPSC†PmC,,P°P»PsPpP°C,C—.

P— P±PsPeCž PeCHfPsPIC- C,P° P»C-PjC,,P°C,PfcC‡PSPsC— CfPfcCfC,PmPjPp

PpPfcC,PsPpPmPSC—, Cf C,PsPjCf C‡PfcCfP»C- P»PmPNpPePsPpPmPSC-Cf, P°PSPmPjC-Cf,
 C,CHfPsPjP±PsC†PpC,PsPpPmPSC-Cf C,P° PpP°PSC†PpC,PsPpPmPSC-Cf, C” PIC-PrPsPjPpPjPp
 CHfPpP·PpPeP°PjPp, P°CfPsC†C-PNpPsPIP°PSPpPjPp C-P· P·P°CfC,PsCfCfPIP°PSPSCfPj
 PjPsC,,PmC,PpP»Cf PjC-PePsC,,PmPSPsP»P°C,Cf, C- PjPsP¶CfC,Cf PfcCHfPpP·PIPpPrPpC,Pp P°P±Ps

CÍPíCĤPëCĬC, Pë PIPëPSPëPePSPµPSPSCĤ C-PSC,, PµPeC†C-PNë C, P° PeCĤPsPIPsC, PµC‡ (PrPëPI.
 CĤPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCÍPIP°PSPSCĬB»).
 PµPsPIC-PrPsPjP»CĬP»Pë PíCĤPs P°PíCĤP°PSCÍP»PsC†PëC, PsP· C, P°
 PSPµPNëC, CĤPsPíPµPSC-CĤ, C, PsPjCÍ CĤPµPePsPjPµPSPPrCÍC"C, CHCÍCĬ
 CĤPµPiCÍP»CĬCĤPSPëPNë PSP°PiP»CĬPPr P·P° PíP°C†C-C"PSC, P°PjPë, CĬPeC-
 PsC, CĤPëPjCÍCĤC, CH PjC-PePsC,, PµPSPsP»P°C, CÍ PjPsC,, PµC, PëP» (PrPëPI. CĤPsP·PrC-P»
 B«PhCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCÍPIP°PSPSCĬB»). PkP°PrC...PsPrPëP»Pë
 PíPsPIC-PrPsPjP»PµPSPSCĬ PíCĤPs PIPëPíP°PrPePë P°PSPµPjC-C— C, P°
 PSPµPrPsCÍC, P°C, PSPsCÍC, C- PeC-CÍC, PePsPIPsPiPs PjPsP·PeCÍ CÍ PíP°C†C-C"PSC, C-PI,
 CĬPeC- PsC, CĤPëPjCÍPIP°P»Pë PjC-PePsC,, PµPSPsP»P°C, CÍ PjPsC,, PµC, PëP», PrPµCĬPeC- P·
 PIPëPíP°PrPeC-PI PjP°P»Pë P»PµC, P°P»CHPSPëPNë PSP°CÍP»C-PrPsPe.

PµPsPIC-PrPsPjP»CĬP»Pë PíCĤPs PIPëPíP°PrPePë C-CÍC, PëPSPSPsC—
 PµCĤPëC, CĤPsC†PëC, P°CĤPSPsC— P°PiP»P°P·C-C— CÍ PíP°C†C-C"PSC, C-PI, CĬPeC-
 PsC, CĤPëPjCÍPIP°P»Pë PjC-PePsC,, PµPSPsP»P°C, CÍ PjPsC,, PµC, PëP» (PrPëPI. CĤPsP·PrC-P»
 B«PhCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCÍPIP°PSPSCĬB»).

PJ PíP°C†C-C"PSC, C-PI, CĬPeC- PsC, CĤPëPjCÍPIP°P»Pë PjC-PePsC,, PµPSPsP»P°C, CÍ
 PjPsC,, PµC, PëP», PíPsPIC-PrPsPjP»CĬP»PsCÍCĬ PíCĤPs PsPeCĤPµPjC- PIPëPíP°PrPePë
 PíPsCĤCÍCëPµPSPSCĬ PjPsCĤC,, PsP»PsPiC-C— PSPµPNëC, CĤPsC,, C-P»C-PI, CÍ C, PsPjCÍ
 C†PëCÍP»C- P°PSPsPjP°P»C-CĬ PµPµP»CHPiPµCĤP°BĤ"PÍCĤPµC, P° (Pelger-Huet). PíC-
 P·PjC-PSPë PSPµ P°CÍPsC†C-CĤPIP°P»PëCÍCĬ P· PíPsCĤCÍCëPµPSPSCĬPj C,, CÍPSPeC†C-C—
 PSPµPNëC, CĤPsC,, C-P»C-PI C- PjPsP¶CÍC, CH CÍPIC-PrC†PëC, Pë PíCĤPs P·CÍCÍPI PIP»C-PIPs
 PíPsPeP°P·PSPëPeP° P·CĤC-P»PsCÍC, C- PSPµPNëC, CĤPsC,, C-P»C-PI PíCĤPë
 PrPsCÍP»C-PrP¶PµPSPSC- PeCĤPsPIC-, C°Ps PjPsP¶Pµ PíPsPjPëP»PePsPIPs
 CÍPíCĤPëPNëPjP°C, PëCÍCĬ CĬPe PsP·PSP°PeP° C-PSC,, PµPeC†C-C— CÍ PíP°C†C-C"PSC, C-PI P·
 C-PjCÍPSPsCÍCÍPíCĤPµCÍC-C"CĤ, PI C, PsPjCÍ C†PëCÍP»C- CÍPíCĤPëC†PëPSPµPSPsCĤ
 P·P°CÍC, PsCÍCÍPIP°PSPSCĬPj PjC-PePsC,, PµPSPsP»P°C, CÍ PjPsC,, PµC, PëP»CÍ.

P— P±PsPeCž CëP»CžPSPePsPIPs-PePëCëPePsPIPsPiPs C, CĤP°PeC, Cž

PkP°PNëCÍPµCĤPNëPsP·PSC-CëPëPjPë PíPsCĤCÍCëPµPSPSCĬPjPë P· P±PsPeCÍ
 CëP»CÍPSPePsPIPs-PePëCëPePsPIPsPiPs C, CĤP°PeC, CÍ P±CÍP»Pë CÍC, PIPsCĤPµPSPSCĬ
 PIPëCĤP°P·PePë C, P° PeCĤPsPIPsC, PµC†P°, CĬPeC- C" PIC-PrPsPjPëPjPë CĤPëP·PëPeP°PjPë,
 PíPsPI'CĬP·P°PSPëPjPë C-P· P·P°CÍC, PsCÍCÍPIP°PSPSCĬPj PjC-PePsC,, PµPSPsP»P°C, CÍ
 PjPsC,, PµC, PëP»CÍ. PµC-Pr C†P°CÍ P±P°P·PsPIPëC... PeP»C-PSC-C†PSPëC...
 PrPsCÍP»C-PrP¶PµPSCĤ P·P°P·PIPëC†P°PNë PíPsPIC-PrPsPjP»CĬP»Pë PíCĤPs PIPëCĤP°P·PePë
 CÍP»PëP·PsPIPsC— PsP±PsP»PsSPePë CĤPsC, PsPIPsC— PíPsCĤPsP¶PSPëPSPë,
 CÍC, CĤP°PIPsC...PsPrCÍ, CëP»CÍPSPeP°, PrPIP°PSP°PrC†CĬC, PëPíP°P»PsC— PePëCëPePë C, P°
 PePëCëPµC†PSPëPeCÍ, C†P°CÍC, Ps CÍCÍPeP»P°PrPSPµPSC- PeCĤPsPIPsC, PµC†PµCĤ, a
 C, P°PePsP¶ PiPµPjP°C, PµPjPµP·PëCÍPsPj, PjPµP»PµPSPsCĤ C, P° PiPµPjPsCĤP°PiC-C†PSPëPjPë
 C,, PsCĤPjP°PjPë PíP°CÍC, CĤPëC, CÍ C, P° PePsP»C-C, CÍ. PhPrPSP°Pe PSP°PNëP±C-P»CHCë
 PíPsCëPëCĤPµPSPëPjPë PíPsCĤCÍCëPµPSPSCĬPjPë P· P±PsPeCÍ CëP»CÍPSPePsPIPs-
 PePëCëPePsPIPsPiPs C, CĤP°PeC, CÍ P±CÍP»Pë PrC-P°CĤPµCĬ, PSCÍPrPsC, P° C, P°
 P±P»CĤPIP°PSPSCĬ. PµCĤPë PµPSPPrPsCÍPePsPíC-C†PSPsPjCÍ PsP±CÍC, PµP¶PµPSPSC-
 PíP°C†C-C"PSC, C-PI C-P· PrC-P°CĤPµC"CĤ, PíPsPI'CĬP·P°PSPsCĤ C-P·
 P·P°CÍC, PsCÍCÍPIP°PSPSCĬPj PjC-PePsC,, PµPSPsP»P°C, CÍ PjPsC,, PµC, PëP»CÍ, P±CÍP»Pë
 PIPëCĬPIP»PµPSC- PsPeCĤPµPjC- PIPëPíP°PrPePë P°C, CĤPsC,, C-C— PePëCëPePsPIPëC...
 PIPsCĤCÍPëPSPsPe (PrPëPI. CĤPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC, C-
 P·P°CÍC, PsCÍCÍPIP°PSPSCĬB»).

P"C-PíPµCĤC†CžC, P»PëPIC-CÍC, CH

P_μPsPIC-PrPsPjP»C_μP»Pë P_iC_μPs C_μP_μP°PeC†C-C— PiC-PiP_μC_μC†C†C,P»PëPIPsC†C,C-,
PIPeP»C_μC†P°C_μC†Pë P°PSPiC-PsPSP_μPIC_μPsC,PëC†PSPëPN_μ PSP°P±C_μC_μPe C,P°
P°PSP°C,,C-P»P°PeC,PëC†PSC- C_μP_μP°PeC†C-C—.

P'P°PiC-C,PSC-C†C,C_μB, PiC-C†P»C_μPiPsP»PsPiPsPIC- C,P° PiP_μC_μPëPSP°C,P°P»C_μBPSC-
C†C,P°PSPë

P'PëPiP°PrPePë C†PiPsPSC,P°PSPSPëC... P°P±PsC_μC,C-PI C†PiPsC†C,P_μC_μC-PiP°P»PëC†C_μ C†
PiP°C†C-C"°PSC,PsPe, C_μPeC- PsC,C_μPëPjC†PIP°P»Pë PjC-PePsC,,P_μPSPsP»P°C,C†
PjPsC,,P_μC,PëP», PiP_μC_μP_μPIP°P¶PSPs C† I C,C_μPëPjP_μC†C,C_μC- (PrPëPI. C_μPsP·PrC-P»
B«P—P°C†C,PsC†C†PIP°PSPSC_μ C† PiP_μC_μC-PsPr PIP°PiC-C,PSPsC†C,C- P°P±Ps
PiPsPrC†PIP°PSPSC_μ PiC_μC†PrPrC_μB»).

P'C_μPsPrP¶P_μPSC- P·P°C...PIPsC_μC_μPIP°PSPSC_μ

P_μC-Pr C†P°C† PiC-C†P»C_μC_μP_μC"°C†C,C_μP°C†C-PN_μPSPsPiPs P·P°C†C,PsC†C†PIP°PSPSC_μ
C†PiPsC†C,P_μC_μC-PiP°P»PëC†C_μ PIC_μPsPrP¶P_μPSC- PIP°PrPë C_μPsP·PIPëC,PeC† C†
PrC-C,P_μPN_μ, PjP°C,P_μC_μC- C_μPePëC... C† PiP_μC_μC-PsPr PIP°PiC-C,PSPsC†C,C-
PsC,C_μPëPjC†PIP°P»Pë PjC-PePsC,,P_μPSPsP»P°C,C† PjPsC,,P_μC,PëP» C† PePsPjP±C-PSP°C†C-C—
P· C-PSC€PëPjPë C-PjC†PSPsC†C†PiC_μP_μC†P°PSC,P°PjPë (PrPëPI. C_μPsP·PrC-P»
B«P—P°C†C,PsC†C†PIP°PSPSC_μ C† PiP_μC_μC-PsPr PIP°PiC-C,PSPsC†C,C- P°P±Ps
PiPsPrC†PIP°PSPSC_μ PiC_μC†PrPrC_μB»).

P— P±PsPeCž PrPëC...P°P»C_μBPSPsC— C†PëC†C,P_μPjPë, PsC_μPiP°PSC-PI PiC_μCžPrPSPsC—
PeP»C-C,PePë C,P° C†P_μC_μP_μPrPsC†C,C-PSPSC_μ

P_μPsPIC-PrPsPjP»C_μP»Pë P_iC_μPs PsPeC_μP_μPjC- PIPëPiP°PrPePë
C-PSC,P_μC_μC†C,PëC†C-P°P»C_μBPSPsPiPs P·P°C...PIPsC_μC_μPIP°PSPSC_μ P»P_μPiP_μPSC-PI C-
C,,C-P±C_μPsP·C† P»P_μPiP_μPSC-PI, PrP_μC_μPeC- P· P»P_μC,P°P»C_μBPSPëPj PSP°C†P»C-PrPePsPj,
C† PiP°C†C-C"°PSC,C-PI, C_μPeC- PsC,C_μPëPjC†PIP°P»Pë PjC-PePsC,,P_μPSPsP»P°C,C†
PjPsC,,P_μC,PëP» C† PePsPjP±C-PSP°C†C-C— P· C-PSC€PëPjPë
C-PjC†PSPsC†C†PiC_μP_μC†P°PSC,P°PjPë. PýP°PePsP¶ PiPsPIC-PrPsPjP»C_μP»Pë P_iC_μPs
P±C_μPsPSC...PsP_μPeC,P°P·Pë C† PrC-C,P_μPN_μ C- PrPsC_μPsC†P»PëC....

P— P±PsPeCž C-PjCžPSPSPsC— C†PëC†C,P_μPjPë

Pj PiP°C†C-C"°PSC,C-PI, C_μPeC- PsC,C_μPëPjC†PIP°P»Pë PjC-PePsC,,P_μPSPsP»P°C,C†
PjPsC,,P_μC,PëP» C† PePsPjP±C-PSP°C†C-C— P· C-PSC€PëPjPë
C-PjC†PSPsC†C†PiC_μP_μC†P°PSC,P°PjPë, PiPsPIC-PrPsPjP»C_μP»Pë P_iC_μPs
PiC-PiPsPiP°PjPjP°PiP»PsP±C†P»C-PSP_μPjC-C_μ.

P—P°PiP°P»C_μBPSC- PiPsC_μCžC€P_μPSPSC_μ C,P° C†C,P°PSPë Cž PjC-C†C†C- PIPIP_μPrP_μPSPSC_μ

Pj P±P°P·PsPIPëC... PrPsC†P»C-PrP¶P_μPSPSC_μC... PrC†P¶P_μ C†P°C†C,Ps
PiPsPIC-PrPsPjP»C_μP»Pë P_iC_μPs PSP°P±C_μC_μPePë, C† C,PsPjC† C†PëC†P»C-
PiP_μC_μPëC,,P_μC_μPëC†PSC-, PsP±P»PëC†C†C_μ C,P° PjPsC€PsPSPëPë. PýP°PePsP¶ PrC†P¶P_μ
C†P°C†C,Ps PiPsPIC-PrPsPjP»C_μP»Pë P_iC_μPs Pj'C_μP·PsPIPs-C†PeP_μP»P_μC,PSPëPN_μ P±C-P»C_μB,
C,P°PePëPN_μ C_μPe PjC-P°P»PiC-C_μ, a C,P°PePsP¶ P±C-P»C_μB C† C€PëC— C,P° C†PiPëPSC-.

P"°PsC†C,C_μPëPN_μ P·P°PiP°P»C_μBPSPëPN_μ C†PëPSP_μC_μPsPj, P°C†PsC†C-PN_μPsPIP°PSPëPN_μ P·
C-PSPiC-P±C-C,PsC_μP°PjPë C†PëPSC,P_μP·C† PiC†C_μPëPSC-PI *de novo*, PsPiPëC†P°PSPëPN_μ C-P·
PiC-C†P»C_μC_μP_μC"°C†C,C_μP°C†C-PN_μPSPsPiPs PrPsC†PIC-PrC† C_μPe
PiP°C_μP°PrPsPeC†P°P»C_μBPSP° PiC_μPsP·P°PiP°P»C_μBPSP° C_μP_μP°PeC†C-C_μ, PiPsPi'C_μP·P°PSP°

P·PjC-PePsC,,PμPSPsP»P°C,Cr PjPsC,,PμC,PëP»PsPj C,P° PjC-PePsC,,PμPSPsP»PsPIPSCñ
 PePëCíP»PsC,PsCñ, C%Ps C...P°CñP°PeC,PμCñPëP·CrC"C,CñCíCñ PíP°CñCñCñPePsCñ,
 P°CñC,CñP°P»PiC-C"Cñ, P°CñC,CñPëC,PsPj, P±PsP»PμPj Cr Pj'CñP·P°C... C,P°
 PíC-PrPIPëC%PμPSPëPjPë P·P°PíP°P»CñPSPëPjPë PjP°CñPePμCñP°PjPë.
 PμPsPIC-PrPsPjP»PμPSPSCñ C%PsPrPs C,P°PePëC... PIPëPíP°PrPeC-PI CíPIC-PrC±P°C,Cñ
 PíCñPs CëPIPëPrPePμ PíPsP»C-PíCëPμPSPSCñ CíC,P°PSCr PíC-CíP»Cñ
 PíCñPëPíPëPSPμPSPSCñ PíCñPëPNëPsPjCr P»C-PeP°CñCíCñPePsPiPs P·P°CíPsP±Cr.

PñCíPsP±P»PëPIC- PíCñCñPíPë PíP°CñC-C"PSC,C-PI

P"C-C,Pë

P'C-PrPsPjPs, C%Ps C,PëPí C- C±P°CíC,PsC,P° PíPsP±C-C±PSPëC... CñPμP°PeCñC-PNë Cr
 PrC-C,PμPNë PIC-PePsPj PIC-Pr 2 PrPs 18 CñPsPeC-PI, CñPeC- PsC,CñPëPjCrPIP°P»Pë
 PjC-PePsC,,PμPSPsP»P°C,Cr PjPsC,,PμC,PëP» Cr PrPsP·C- 600 PjPi/Pj² PíPμCñPsCñP°P»CñPSPs 2
 CñP°P·Pë PSP° PrPsP±Cr, P·P°PíP°P»PsPj P±CrP»Pë PíPsPrC-P±PSPëPjPë PrPs C,PëC..., C%Ps
 CíPíPsCíC,PμCñC-PíP°P»PëCíCñ Cr PrPsCñPsCíP»PëC..., CñPeC- P·P°CíC,PsCíPsPICrPIP°P»Pë
 PjC-PePsC,,PμPSPsP»P°C,Cr PjPsC,,PμC,PëP» 1 Pi 2 CñP°P·Pë PSP° PrPsP±Cr. Pj PrC-C,PμPNë,
 P·PsPeCñPμPjP° PIC-PePsPj PrPs 6 CñPsPeC-PI, C±P°CíC,C-CëPμ
 CíPíPsCíC,PμCñC-PíP°CñC,Cñ C,P°PeC- PíPsP±C-C±PSC- CñPIPëC%P°, PíPsPI'CñP·P°PSC- P·
 P»C-PeCíPIP°PSPSCñPj: PrC-P°CñPμCñ, CíPμPíCíPëCí, P»PμPNëPePsPiPμPSC-Cñ,
 P°PSPμPjC-Cñ C,P° C-PSC,,PμPeCñC-C—.

PμP°CñC-C"PSC,Pë P»C-C,PSCHñPsPiPs PIC-PeCñ

Pj PíP°CñC-C"PSC,C-PI P»C-C,PSCHñPsPiPs PIC-PeCñ (≥65 CñPsPeC-PI) Cr CñC-P»PsPjCr
 PjPsPñPμ P±CrC,Pë PíC-PrPIPëC%PμPSPëPNë CñPëP·PëPe PíPsP±C-C±PSPëC... CñPμP°PeCñC-PNë
 Cr P·PI'CñP·PeCñ P· C-PjCrPSPsCíCñPíCñPμCíC-C"Cñ. Pj PíP°CñC-C"PSC,C-PI
 P»C-C,PSCHñPsPiPs PIC-PeCñ PíCñPë P»C-PeCñPIP°PSPSC- PjC-PePsC,,PμPSPsP»P°C,Cr
 PjPsC,,PμC,PëP»PsPj Cr CñP°PjPeP°C... PePsPjP±C-PSPsPIP°PSPsC— C,PμCñP°PíC-C—
 CñPëP·PëPe CñPsP·PIPëC,PeCñ PrPμCñPePëC... C-PSC,,PμPeCñC-PNë (PIPeP»CñC±P°CñC±Pë
 C,PeP°PSPëPSPSC- C-PSPIP°P·PëPIPSC- C,,PsCñPjPë CñPëC,PsPjPμPíP°P»PsPIC-CñCñCíPSPsC—
 C-PSC,,PμPeCñC-C—), P° C,P°PePsPñ CëP»CrPSPePsPIPs-PePëCëPePsPIPëC... PeCñPsPIPsC,PμCñ
 C- PSP°P±CñCñPeCñ P»PμPiPμPSCHñ P·P°PíP°P»PsPj PIPëC%PëPNë, PSC-Pñ Cr
 PíP°CñC-C"PSC,C-PI PjPsP»PsPrCëPsPiPs PIC-PeCñ.

PñPμCñPjC-PS PíCñPëPrP°C,PSPsCíC,C-. 3 CñPsPePë.

PjPjPsPIPë P·P±PμCñC-PíP°PSPSCñ.

P»C-PeP°CñCíCñPePëPNë P·P°CíC-P± PSPμ PíPsC,CñPμP±CrC" CíPíPμCñC-P°P»CñPSPëC...
 CrPjPsPi P·P±PμCñC-PíP°PSPSCñ. P—P±PμCñC-PíP°C,Pë Cr PSPμPrPsCíC,CñPíPSPsPjCr PrP»Cñ
 PrC-C,PμPNë PjC-CíCñC—.

PjPíP°PePsPIPeP°.

PμPs 10 PeP°PíCíCrP» Cr P±P»C-CíC,PμCñC-, PíPs 3 P°P±Ps 10 P±P»C-CíC,PμCñC-PI Cr

PePsCḡPsP±C†C-.

РљР°С,РµРіРѕСḡС-СЦ РІС-РгРіСѓСѓРёСѓ. Р—Р° СḡРµС†РµРіС,РѕРј.

Р’РёСḡРѕР±РѕРё.

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